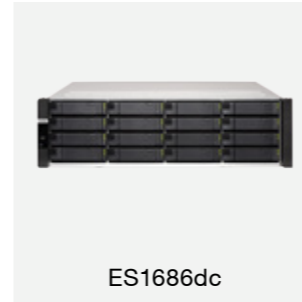




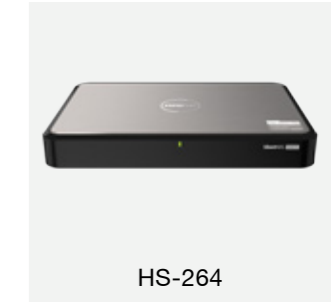
Product Selection Guide
2024

QNAP Product Lineup

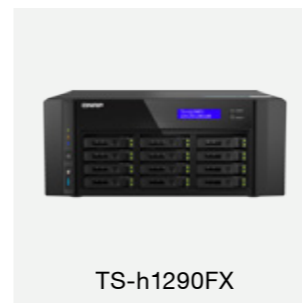
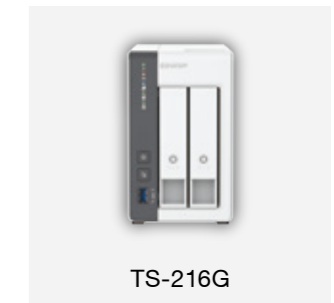
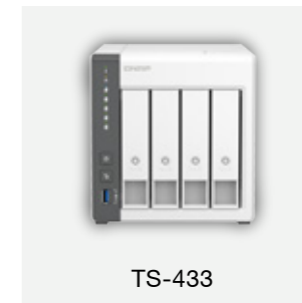
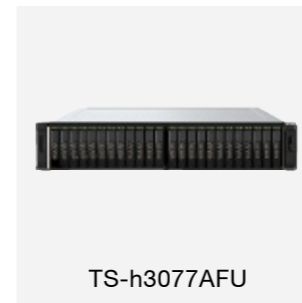
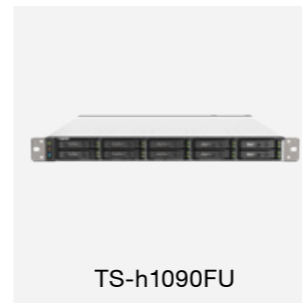
Dual Controller



Personal Cloud



All flash NAS



Thunderbolt NAS Solution



Short-depth NAS Solution



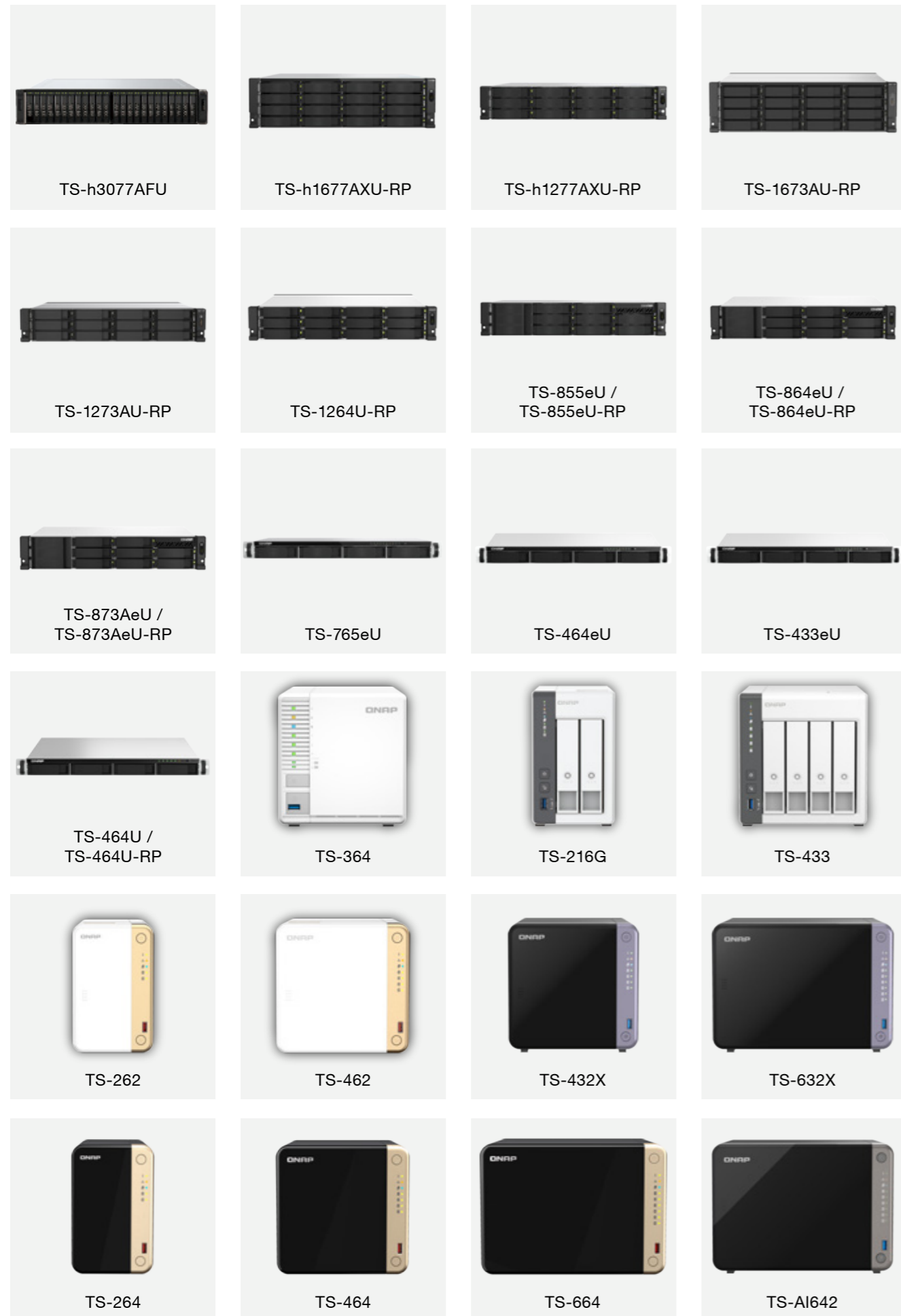
10GbE NAS Solution



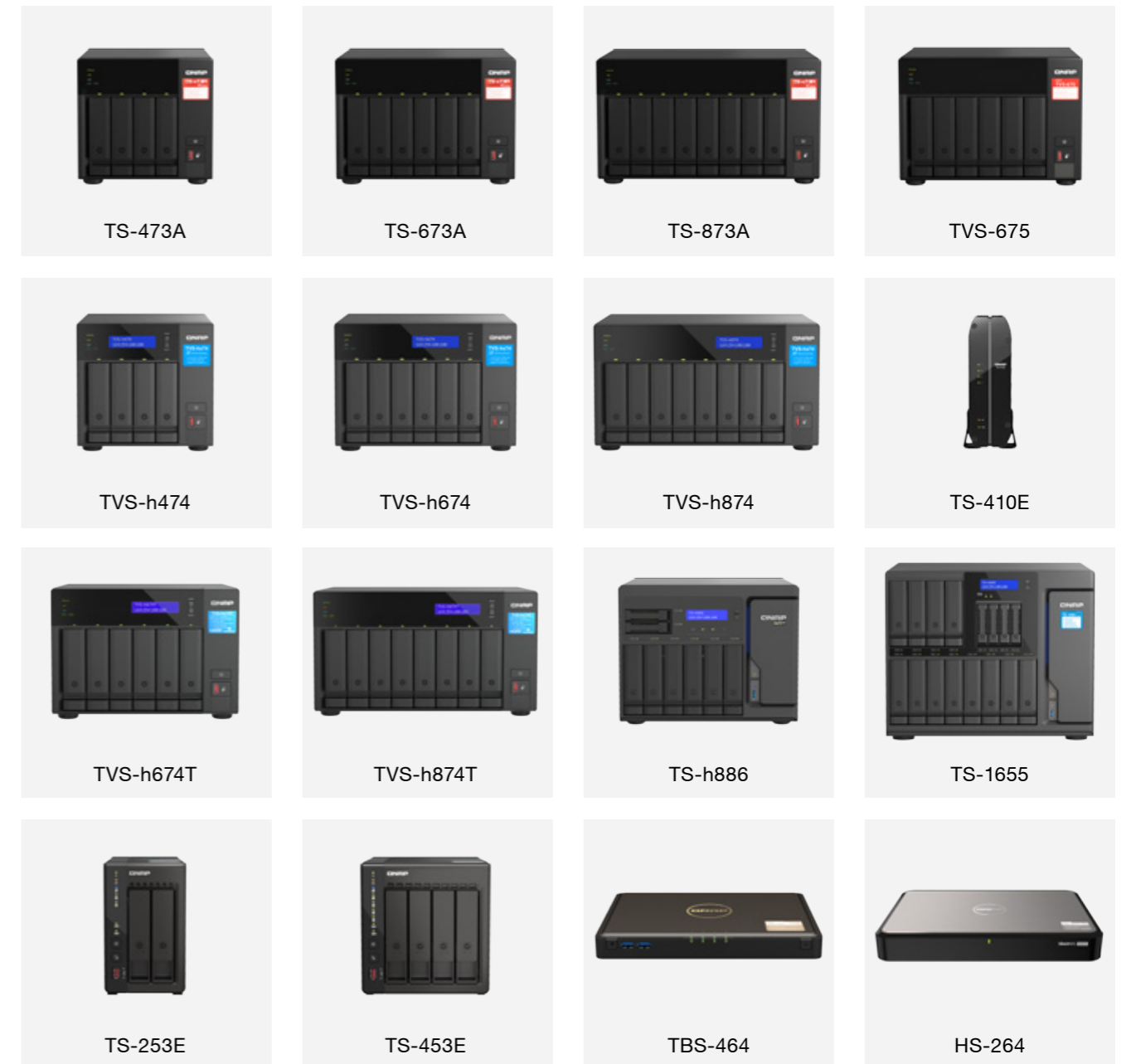
10GbE NAS Solution



2.5GbE NAS Solution



2.5GbE NAS Solution



25GbE NAS Solution



External Enclosures (DAS)



Router



Router



SD-WAN & ADRA Solution



Managed & Unmanaged Switch Series



Managed & Unmanaged Switch Series



Surveillance & Smart Video



Accessories



Accessories



High-performance
ZFS-based OS
with greater reliability

ES1686dc



Model	ES1686dc-2142IT-128G	ES1686dc-2142IT-96G	ES1686dc-2123IT-64G
Operating System	QES		
CPU	Intel® Xeon® D-2142IT 8-core 1.90 GHz processor (burst up to 3.0 GHz) per controller		Intel® Xeon® D-2123IT 4-core 2.20 GHz processor (burst up to 3.0 GHz) per controller
System Memory	64 GB RDIMM DDR4 ECC (4 x 16 GB) per controller max 512 GB	48 GB RDIMM DDR4 ECC (4 x 4 GB+4 x 8GB) per controller max 512 GB	32 GB RDIMM DDR4 ECC (4x 8 GB) per controller max 512 GB
Drive Bay	16 x 3.5-inch SAS 12Gb/s, backward-compatible to SAS 6Gb/s		
M.2 Slot	-		
Gigabit Ethernet Port (RJ45)	3 for each controller (one for remote management)		
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	-		
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	-		
10 Gigabit Ethernet Port	4 x 10GbE SFP+ for each controller		
25 Gigabit Ethernet Port	-		
PCIe Slot	2 Slot 1: PCIe Gen 3 x8 (CPU) Slot 2: PCIe Gen 3 x8 (CPU)		
USB 3.2 Gen 1 port	2 per each controller		
HDMI Output	-		
Dimensions (HxWxD mm)	132 x 483.05 x 630.62		


ES2486dc



Model	ES2486dc-2142IT-128G	ES2486dc-2142IT-96G
Operating System	QES	
CPU	Intel® Xeon® D-2142IT 8-core 1.90 GHz processor, up to 3.0 GHz	
System Memory	64 GB RDIMM DDR4 ECC (4 x 16 GB) per controller max 512 GB	48 GB RDIMM DDR4 ECC (4 x 4 GB+4 x 8GB) per controller max 512 GB
Drive Bay	24 x 2.5-inch SAS 12Gb/s, backward-compatible to SAS 6Gb/s	
M.2 Slot	-	
Gigabit Ethernet Port (RJ45)	3 for each controller (one for remote management)	
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	-	
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	-	
10 Gigabit Ethernet Port	4 x 10GbE SFP+ for each controller	
25 Gigabit Ethernet Port	-	
PCIe Slot	2 Slot 1: PCIe Gen 3 x8 (CPU) Slot 2: PCIe Gen 3 x8 (CPU)	
USB 3.2 Gen 1 port	2 per each controller	
HDMI Output	-	
Dimensions (HxWxD mm)	88.3 x 483 x 545.1	

All flash storage.
ultimate performance



TDS-h2489FU			
			
Model	TDS-h2489FU-4314-1TB (By Request)	TDS-h2489FU-4314-512G (By Request)	TDS-h2489FU-4314-256G
Operating System	QTS / QuTS hero		
CPU	2 x Intel® Xeon® Silver 4314 16-core/32-thread processor, up to 3.4 GHz		2 x Intel® Xeon® Silver 4314 16-core/32-thread processor, up to 3.4 GHz
System Memory	1 TB RDIMM DDR4 ECC (32 x 32 GB) max 1 TB	512 GB RDIMM DDR4 ECC (16 x 32 GB) max 1 TB	256 GB RDIMM DDR4 ECC (8 x 32 GB) max 1 TB
Memory Slot	32 x RDIMM DDR4 ECC (16 x slots per socket)		
Drive Bay	24 x 2.5-inch		
M.2 Slot	2 Slot 1: M.2 2280 NVMe PCIe Gen 3 x4 or SATA 6Gb/s Slot 2: M.2 2280 NVMe PCIe Gen 3 x2 or SATA 6Gb/s		
Gigabit Ethernet Port (RJ45)	-		
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	4 (2.5G/1G/100M/10M)		
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter		
10 Gigabit Ethernet Port	Optional via a PCIe adapter		
25 Gigabit Ethernet Port	2 x 25GbE SFP28 SmartNIC port		
PCIe Slot	2 Slot 1: PCIe Gen4 x16 Slot 2: PCIe Gen4 x8		
USB	4 x USB 3.2 Gen 1		
HDMI Output	-		
Dimensions (HxWxD mm)	88.3 x 446.2 x 713.2		





TDS-h2489FU			
			
Model	TDS-h2489FU-4314-128G	TDS-h2489FU-4309Y-64G	
Operating System	QTS / QuTS hero		
CPU	2 x Intel® Xeon® Silver 4314 16-core/32-thread processor, up to 3.4 GHz	2 x Intel® Xeon® Silver 4309Y 8-core/16-thread processor, up to 3.6 GHz	
System Memory	128 GB RDIMM DDR4 ECC (8 x 16 GB) max 1 TB	64 GB RDIMM DDR4 ECC (8 x 8 GB) max 1 TB	
Memory Slot	32 x RDIMM DDR4 ECC (16 x slots per socket)		
Drive Bay	24 x 2.5-inch		
M.2 Slot	2 Slot 1: M.2 2280 NVMe PCIe Gen 3 x4 or SATA 6Gb/s Slot 2: M.2 2280 NVMe PCIe Gen 3 x2 or SATA 6Gb/s		
Gigabit Ethernet Port (RJ45)	-		
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	4 (2.5G/1G/100M/10M)		
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter		
10 Gigabit Ethernet Port	Optional via a PCIe adapter		
25 Gigabit Ethernet Port	2 x 25GbE SFP28 SmartNIC port		
PCIe Slot	2 Slot 1: PCIe Gen4 x16 Slot 2: PCIe Gen4 x8		
USB	4 x USB 3.2 Gen 1		
HDMI Output	-		
Dimensions (HxWxD mm)	88.3 x 446.2 x 713.2		

	TS-h3077AFU			TS-h1290FX		
						
Model	TS-h3077AFU-7700-64G	TS-h3077AFU-7600-32G		TS-h1290FX-7302P-256G (By Request)	TS-h1290FX-7302P-128G	TS-h1290FX-7232P-64G
Operating System	QuTS hero			QTS / QuTS hero		
CPU	AMD Ryzen™ 7 7700 8-core/16-thread processor, burst up to 5.3 GHz AMD Radeon Graphics	AMD Ryzen™ 5 7600 6-core/12-thread processor, burst up to 5.1 GHz AMD Radeon Graphics		AMD EPYC™ 7302P 16-core/32-thread processor, up to 3.3 GHz		AMD EPYC™ 7232P/7252 8-core/16-thread processor, up to 3.2 GHz
System Memory	64 GB UDIMM DDR5 (2x 32 GB) max 128 GB	32 GB UDIMM DDR5 (1x 32 GB) max 128 GB		256 GB RDIMM DDR4 ECC (8 x 32 GB) max 1 TB	128 GB RDIMM DDR4 ECC (8 x 16 GB) max 1 TB	64 GB RDIMM DDR4 ECC (8 x 8 GB) max 1 TB
Drive Bay	30 x 2.5-inch SATA 6Gb/s, 3Gb/s			12 x 2.5-inch		
M.2 Slot	-			-		
Gigabit Ethernet Port (RJ45)	-			-		
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)			2 (2.5G/1G/100M/10M)		
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	-			Optional via a PCIe adapter		
10 Gigabit Ethernet Port	2 x 10GBASE-T (10G/5G/2.5G/1G/100M)			Optional via a PCIe adapter		
25 Gigabit Ethernet Port	-			2 x 25GbE SFP28 SmartNIC port		
PCIe Slot	3 Slot 1: Gen 4 x 4 Slot 2: Gen 4 x 8 or Gen 4 x 4 Slot 3: Gen4 x 4			4 Slot 1: PCIe Gen 4 x16 Slot 2: PCIe Gen 4 x16 Slot 3: PCIe Gen 4 x8 Slot 4: PCIe Gen 4 x16		
USB	2 x Type-A USB 3.2 Gen 2 10Gbps			3 x USB 3.2 Gen 1		
HDMI Output	-			-		
Dimensions (HxWxD mm)	88.3 x 482 x 549.7			150 x 368 x 362		






	TS-h1090FU				TS-h2490FU		TS-h1277AFX	
								
Model	TS-h1090FU-7302P-256G (By Request)	TS-h1090FU-7302P-128G	TS-h1090FU-7232P-64G	TS-h2490FU-7302P-128G	TS-h2490FU-7232P-64G	TS-h1277AFX		
Operating System	QTS / QuTS hero			QTS / QuTS hero		QTS / QuTS hero		
CPU	AMD EPYC™ 7302P 16-core/32-thread processor, up to 3.3 GHz		AMD EPYC™ 7232P/7252 8-core/16-thread processor, up to 3.2 GHz	AMD EPYC™ 7302P 16-core/32-thread processor, up to 3.3 GHz	AMD EPYC™ 7232P 8-core/16-thread processor, up to 3.2 GHz	AMD Ryzen 5 7000 series 6C/12T	AMD Ryzen 7 7000 series 8C/16T	
System Memory	256 GB RDIMM DDR4 ECC (8 x 32 GB) max 1 TB	128 GB RDIMM DDR4 ECC (8 x 16 GB) max 1 TB	64 GB RDIMM DDR4 ECC (8 x 8 GB) max 1 TB	128 GB RDIMM DDR4 ECC (8 x 16 GB) max 1 TB	64 GB RDIMM DDR4 ECC (8 x 8 GB) max 1 TB	4x DDR5 UDIMM slot, up to Max. total 192GB		
Drive Bay	10 x 2.5-inch U.2 PCIe NVMe / SATA 6Gbps			24 x 2.5-inch U.2 PCIe NVMe		12 x 3.5" SATA 6Gb/s bay		
M.2 Slot	-			-		-		
Gigabit Ethernet Port (RJ45)	-			-		-		
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)			2 (also support 10M)		2x 25GbE RJ45		
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter			-		-		
10 Gigabit Ethernet Port	Optional via a PCIe adapter			-		2x 10GBASE-T		
25 Gigabit Ethernet Port	2 x 25GbE SFP28 SmartNIC port			4 x 25GbE SFP28 SmartNIC port	2 x 25GbE SFP28 SmartNIC port	-		
PCIe Slot	2 Slot 1: PCIe Gen4 x16 Slot 2: PCIe Gen4 x16 For low profile PCIe cards only.			5 Slot 1: PCIe Gen4 x4 Slot 2: PCIe Gen4 x8 or x4 Slot 3: PCIe Gen4 x4 Slot 4: PCIe Gen4 x8 Slot 5: PCIe Gen4 x16 or x8	5 Slot 1: PCIe Gen4 x4 Slot 2: PCIe Gen4 x8 or x4 Slot 3: PCIe Gen4 x4 Slot 4: PCIe Gen4 x8 Slot 5: PCIe Gen4 x16 or x8	3x PCIe Gen4 slots		
USB	3 x USB 3.2 Gen 1			2 x USB 3.2 Gen 1 port		1x USB 3.2 gen2 Type-C 2x USB 3.2 gen2 Type-A		
HDMI Output	-			-		HDMI v1.4		
Dimensions (HxWxD mm)	44 x 430 x 580			88.3 x 480.97 x 510.23		150 x 368 x 362		

10GbE connectivity:
The future is now!









	TS-h1277AXU-RP		TS-h1677AXU-RP	TS-i410X	TS-1232PXU-RP
					
Model	TS-h1277AXU-RP-7700-32G	TS-h1277AXU-RP-7600-16G	TS-h1677AXU-RP-7700-32G	TS-i410X-8G	TS-1232PXU-RP-4G
Operating System	QTS / QuTS hero		QTS / QuTS hero	QTS	QTS
CPU	AMD Ryzen™ 7 7700 8-core/16-thread processor, burst up to 5.3 GHz AMD Radeon Graphics	AMD Ryzen™ 5 7600 6-core/12-thread processor, burst up to 5.1 GHz AMD Radeon Graphics	AMD Ryzen™ 7 7700 8-core/16-thread processor, burst up to 5.3 GHz AMD Radeon Graphics	Intel® Atom® x6425E 4-core/4-thread processor, burst up to 3.0 GHz	AnnapurnaLabs Alpine AL324 64-bit ARM® Cortex-A57 quad-core 1.7GHz processor
System Memory	32 GB UDIMM DDR5 (1x 32 GB) max 128 GB	16 GB UDIMM DDR5 (1x 16 GB) max 128 GB	32 GB UDIMM DDR5 (1x 32 GB) max 128 GB	8 GB on board (non-expandable)	4 GB UDIMM DDR4 (1 x 4 GB) max 16 GB
Drive Bay	12 x 3.5-inch SATA 6Gb/s, 3Gb/s		16 x 3.5-inch SATA 6Gb/s, 3Gb/s	4 x 2.5-inch SATA 6Gb/s, 3Gb/s	12 x 3.5-inch SATA 6Gb/s, 3Gb/s
M.2 slot	2 x M.2 2280 PCIe Gen5 x2 slots		2 x M.2 2280 PCIe Gen5 x2 slots	-	Optional via a PCIe adapter
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)		2 (2.5G/1G/100M/10M)	-	2 (also support 10M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	-		-	-	-
10 Gigabit Ethernet Port	2 x 10GBASE-T (10G/5G/2.5G/1G/100M)		2 x 10GBASE-T (10G/5G/2.5G/1G/100M)	2 x 10GBASE-T (10G/5G/2.5G/1G)	2 x 10GbE SFP+
25 Gigabit Ethernet Port	-		-	-	-
100 Gigabit Ethernet Port	Optional via a PCIe adapter		Optional via a PCIe adapter	-	-
PCIe Slot	3 Slot 1: Gen 4 x 4 Slot 2: Gen 4 x 8 or Gen 4 x 4 Slot 3: Gen4 x 4		3 Slot 1: Gen 4 x 4 Slot 2: Gen 4 x 8 or Gen 4 x 4 Slot 3: Gen4 x 4	-	1 Slot 1: PCIe Gen 2 x2
USB port	2 x Type-A USB 3.2 Gen 2 10Gbps		2 x Type-A USB 3.2 Gen 2 10Gbps	USB 3.2 Gen 2	4 x USB 3.2 Gen 1
HDMI Output	-		-	1, HDMI™ 1.4b (up to 3840 x 2160 @ 30Hz)	-
Dimensions (HxWxD mm)	88.6 x 432 x 511.2		131.3 x 482.2 x 550.8	62 x 180 x 244	88.6 x 432 x 511

	TS-832PXU-RP	TS-832PXU	TS-432PXU-RP	TS-432PXU	TS-h765eU
					
Model	TS-832PXU-RP-4G	TS-832PXU-4G	TS-432PXU-RP-2G	TS-432PXU-2G	TS-h765eU
Operating System	QTS	QTS	QTS	QTS	QTS / QuTS hero
CPU	AnnapurnaLabs Alpine AL324 64-bit ARM® Cortex-A57 quad-core 1.7GHz processor	AnnapurnaLabs Alpine AL324 64-bit ARM® Cortex-A57 quad-core 1.7GHz processor	AnnapurnaLabs Alpine AL324 64-bit ARM® Cortex-A57 quad-core 1.7GHz processor	AnnapurnaLabs Alpine AL324 64-bit ARM® Cortex-A57 quad-core 1.7GHz processor	Intel Amston Lake 4 core (x7405C)
System Memory	4 GB UDIMM DDR4 (1 x 4 GB) max 16 GB	4 GB UDIMM DDR4 (1 x 4 GB) max 16 GB	2 GB UDIMM DDR4 (1 x 2 GB) max 16 GB	2 GB UDIMM DDR4 (1 x 2 GB) max 16 GB	8 GB SODIMM DDR5 (1 x 8 GB), enabled in-band ECC max 16GB
Drive Bay	8 x 3.5-inch SATA 6Gb/s, 3Gb/s	8 x 3.5-inch SATA 6Gb/s, 3Gb/s	4 x 3.5" SATA 6Gb/s, 3Gb/s	4 x 3.5" SATA 6Gb/s, 3Gb/s	4 x 3.5-inch SATA 6Gb/s, 3Gb/s 3 x E1.S up to 15mm
M.2 slot	Optional via a PCIe adapter		Optional via a PCIe adapter	Optional via a PCIe adapter	3 x E1.S PCIe slots (M.2 2280 adapter included)
Gigabit Ethernet Port (RJ45)	-		-	-	-
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (also support 10M)		2 (also support 10M)	2 (also support 10M)	2 (2.5G/1G/100M/10M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	-		-	-	-
10 Gigabit Ethernet Port	2 x 10GbE SFP+		2 x 10GbE SFP+	2 x 10GbE SFP+	Optional via QXG-ES10G1T
25 Gigabit Ethernet Port	-		-	-	-
PCIe Slot	1 Slot 1: PCIe Gen 2 x2		1 Slot 1: PCIe Gen 2 x2	1 Slot 1: PCIe Gen 2 x2	-
USB port	4 x USB 3.2 Gen 1		4 x USB 3.2 Gen 1	4 x USB 3.2 Gen 1	1 x USB 2.0 1 x USB 3.2 Gen 1
HDMI Output	-		-	-	-
Dimensions (HxWxD mm)	88.6 x 432 x 511		43.3 x 430 x 479	43.3 x 430 x 479	43 x 430 x 292.1

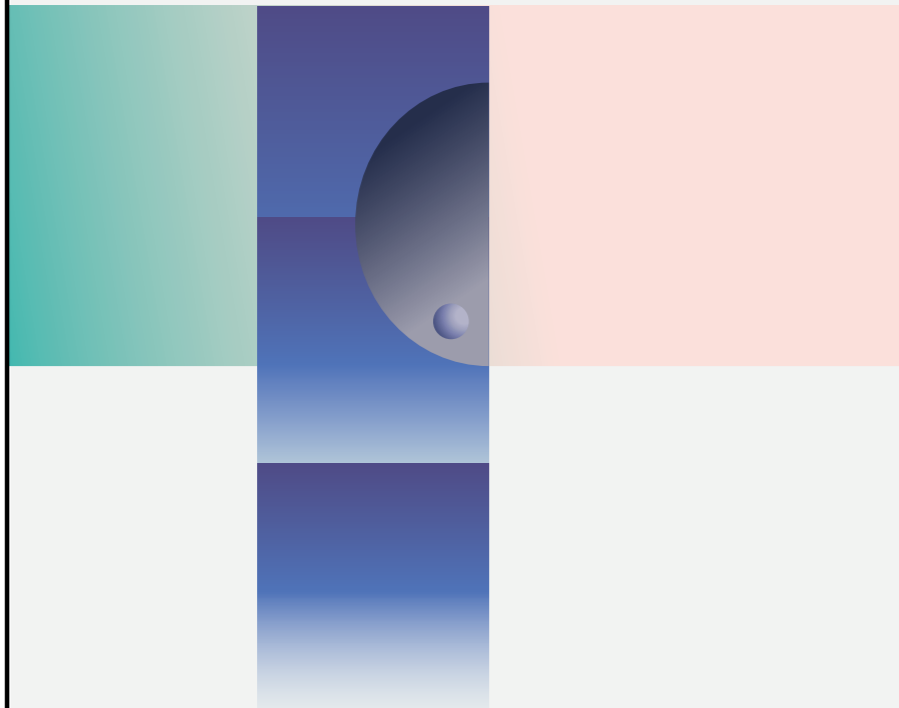
	TS-877XU-RP	TS-h1886XU-RP R2		TVS-h1288X	TVS-h1688X	TS-855X
						
Model	TS-877XU-RP-3600-8G	TS-h1886XU-RP-R2-D1622-32G		TVS-h1288X-W1250-16G	TVS-h1688X-W1250-32G	TS-855X-8G
Operating System	QTS	QTS / QuTS hero		QTS / QuTS hero	QTS / QuTS hero	QTS / QuTS hero
CPU	AMD Ryzen™ 5 3600 6-core/12-thread processor, burst up to 4.2 GHz	Intel® Xeon® D-1622 4-core processor, burst up to 3.2 GHz		Intel® Xeon® W-1250 6-core/12-thread processor, up to 4.7 GHz	Intel® Xeon® W-1250 6-core/12-thread processor, up to 4.7 GHz	Intel® Atom® C5125 8-core processor, 2.8GHz
System Memory	8 GB UDIMM DDR4 (2 x 4GB) max 128 GB	32 GB UDIMM DDR4 ECC (2 x 16GB)		16 GB ECC UDIMM DDR4 (2 x 8 GB) max 128 GB	32GB ECC UDIMM DDR4 (2 x 16 GB) max 128 GB	8 GB non-ECC UDIMM DDR4 (1 x 8 GB) max 128 GB
Drive Bay	8 x 3.5-inch SATA 6Gb/s, 3Gb/s	Front: 12 x 3.5-inch SATA 6Gb/s, 3Gb/s Rear: 6 x 2.5-inch SATA 6Gb/s, 3Gb/s		8 x 3.5-inch SATA 6Gb/s, 3Gb/s + 4 x 2.5-inch SATA 6Gb/s, 3Gb/s	12 x 3.5-inch SATA 6Gb/s, 3Gb/s + 4 x 2.5-inch SATA 6Gb/s, 3Gb/s	6 x 3.5-inch + 2 x 2.5-inch SATA 6Gb/s, 3Gb/s
M.2 slot	-	-		2 x M.2 22110/2280 NVMe PCIe Gen3 x4 slots	2 x M.2 22110/2280 NVMe PCIe Gen3 x4 slots	2 x M.2 2280 PCIe Gen 3 x4 slots
Gigabit Ethernet Port (RJ45)	2	-		-	-	-
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	Optional via a PCIe adapter	4 (2.5G/1G/100M)		4 (also support 10M)	4 (also support 10M)	2 (2.5G/1G/100M/10M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter	Optional via a PCIe adapter		Optional via a PCIe adapter	Optional via a PCIe adapter	-
10 Gigabit Ethernet Port	2 x 10GbE SFP+ SmartNIC port	2 x 10GbE SFP+ SmartNIC port Pre-installed with a 10GbE PCIe adapter		2 x 10GBASE-T (10G/1G)	2 x 10GBASE-T (10G/1G)	1 x 10GBASE-T
25 Gigabit Ethernet Port	Optional via a PCIe adapter	Optional via a PCIe adapter		Optional via a PCIe adapter	Optional via a PCIe adapter	Optional via PCIe expansion card
Thunderbolt Port	-	-		Optional via the QXP-T32P 2-port Thunderbolt 3 PCIe adapter	Optional via the QXP-T32P 2-port Thunderbolt 3 PCIe adapter	-
PCIe Slot	4 Slot 1: PCIe Gen 3 x4 Slot 2: PCIe Gen 3 x8 or PCIe Gen 3 x4 Slot 3: PCIe Gen 3 x4 Slot 4: PCIe Gen 3 x8 or PCIe Gen 3 x4	3 Slot 1: PCIe Gen 2 x4 (x8 Slot) Slot 2: PCIe Gen 3 x4 Slot 3: PCIe Gen 3 x8 or x4 (x8 Slot)		3 Slot 1: PCIe Gen3 x8 Slot 2: PCIe Gen3 x4 Slot 3: PCIe Gen3 x4	3 Slot 1: PCIe Gen3 x8 Slot 2: PCIe Gen3 x4 Slot 3: PCIe Gen3 x4	2 Slot 1: PCIe Gen 3 x4 Slot 2: PCIe Gen 3 x4
USB Port	4 x USB 3.2 Gen 1 1 x Type-C USB 3.2 Gen 2 10Gbps 1 x Type-A USB 3.2 Gen 2 10Gbps	2 x USB 3.2 Gen 1		2 x Type-C 3 x USB 3.2 Gen 1 3 x Type-A 3 x USB 3.2 Gen 1	2 x Type-C 3 x USB 3.2 Gen 1 4 x Type-A 3 x USB 3.2 Gen 1	1 x USB 2.0 3 x USB 3.2 Gen 1
HDMI Output	Optional via a PCIe adapter	-		1, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)	1, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)	-
Dimensions (HxWxD mm)	88.3 x 482 x 562	88.6 x 432 x 511.2		234.6 x 369.9 x 319.8	303.84 x 369.89 x 319.8	231.9 x 292.9 x 319.8



	TS-432X	TS-632X		TS-932PX	TS-832PX
					
Model	TS-432X	TS-632X		TS-932PX-4G	TS-832PX-4G
Operating System	QTS	QTS		QTS	QTS
CPU	AnnapurnaLabs, an Amazon company Alpine AL524, 4-core, 2.0GHz	AnnapurnaLabs, an Amazon company Alpine AL524, 4-core, 2.0GHz		AnnapurnaLabs Alpine AL324 ARM® Cortex-A57 quad-core 1.7GHz processor	AnnapurnaLabs Alpine AL324 ARM® Cortex-A57 quad-core 1.7GHz processor
System Memory	4 GB SODIMM DDR4 (1 x 4 GB) max 16GB	4 GB SODIMM DDR4 (1 x 4 GB) max 16GB		4 GB SODIMM DDR4 (1 x 4 GB) max 16 GB	4 GB SODIMM DDR4(1 x 4 GB) max 16 GB
Drive Bay	4 x 3.5-inch SATA 6Gb/s, 3Gb/s	6 x 3.5-inch SATA 6Gb/s, 3Gb/s		5x 3.5-inch+ 4 x 2.5-inch SATA 6Gb/s	8 x 3.5-inch SATA 6Gb/s, 3Gb/s
M.2 slot	-	-		-	Optional via a PCIe adapter
Gigabit Ethernet Port (RJ45)	-	-		-	-
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2(2.5G/1G/100M)	2(2.5G/1G/100M)		2 (also support 10M)	2 (also support 10M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	-	-		-	-
10 Gigabit Ethernet Port	1 x 10GbE SFP+	2 x 10GbE SFP+		2 x 10GbE SFP+	2 x 10GbE SFP+
25 Gigabit Ethernet Port	-	-		-	-
PCIe Slot	"1 Slot 1: PCIe Gen 3 x4"	"1 Slot 1: PCIe Gen 3 x4"		-	1 Slot 1: PCIe Gen 2 x2
USB port	2 x USB 3.2 Gen 1	2 x USB 3.2 Gen 1		3 x USB 3.2 Gen 1	3 x USB 3.2 Gen 1
HDMI Output	-	-		-	-
Dimensions (HxWxD mm)	226.5 x 170 x 165	226.5 x 235 x 165		176.5 x 224.6 x 224.1	180.2 x 329.3 x 280.8



	TS-h987XU-RP		TS-h1887XU-RP		TS-h2287XU-RP		TS-h3087XU-RP
							
Model	TS-h987XU-RP-E2334-16G		TS-h1887XU-RP-E2334-16G	TS-h1887XU-RP-E2336-32G	TS-h2287XU-RP-E2336-32G	TS-h2287XU-RP-E2378-64G	TS-h3087XU-RP-E2378-64G
Operating System	QTS / QuTS hero		QTS / QuTS hero		QTS / QuTS hero		QTS / QuTS hero
CPU	Intel® Xeon® E-2334 4C 8T 3.4GHz, up to 4.8GHz		Intel® Xeon® E-2334 4C 8T 3.4GHz, up to 4.8GHz	Intel® Xeon® E-2336 6C 12T 2.9GHz, up to 4.8GHz	Intel® Xeon® E-2336 6C 12T 2.9GHz, up to 4.8GHz	Intel® Xeon® E-2378 8C 16T 2.6GHz, up to 4.8GHz	Intel® Xeon® E-2378 8C 16T 2.6GHz, up to 4.8GHz
System Memory	16 GB ECC DDR4 (1 x 16 GB) max 128 GB		16 GB ECC DDR4 (1 x 16 GB) max 128 GB	32 GB ECC DDR4 (2 x 16 GB) max 128 GB	32 GB ECC DDR4 (2 x 16 GB) max 128 GB	64 GB ECC DDR4 (4 x 16 GB) max 128 GB	64 GB ECC DDR4 (4 x 16 GB) max 128 GB
Memory Slot	4 x Long-DIMM DDR4		4 x Long-DIMM DDR4		4 x Long-DIMM DDR4		4 x Long-DIMM DDR4
Drive Bay	9 (4 x 3.5-inch SATA + 5 x 2.5-inch U.2 PCIe / SATA) 2.5-inch bays:		18 (12 x 3.5-inch SATA + 6 x 2.5-inch SATA)		22 (16 x 3.5-inch SATA + 6 x 2.5-inch SATA)		30 (24 x 3.5-inch SATA + 6 x 2.5-inch SATA)
M.2 Slot	Optional via a QM2 PCIe adapter		Optional via a QM2 PCIe adapter	Optional via a QM2 PCIe adapter	Optional via a QM2 PCIe adapter		Optional via a QM2 PCIe adapter
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M)		2 (2.5G/1G/100M)		2 (2.5G/1G/100M)		2 (2.5G/1G/100M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter
10 Gigabit Ethernet Port	2 x 10GBASE-T (10G/5G/2.5G/1G/100M)		2 x 10GBASE-T (10G/5G/2.5G/1G/100M)		2 x 10GBASE-T (10G/5G/2.5G/1G/100M)		2 x 10GBASE-T (10G/5G/2.5G/1G/100M)
25 Gigabit Ethernet Port	Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter
100 Gigabit Ethernet Port	-		Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter
PCIe Slot	1 x Gen4 x8		3 (2 x Gen4 x4 + 1 x Gen 4 x8)		3 (2 x Gen4 x4 + 1 x Gen 4 x8)		3 (2 x Gen4 x4 + 1 x Gen 4 x8)
USB	4 x Type-A USB 3.2 Gen 2 5V/1A 10Gbps		4 x Type-A USB 3.2 Gen 2 5V/1A 10Gbps		4 x Type-A USB 3.2 Gen 2 5V/1A 10Gbps		4 x Type-A USB 3.2 Gen 2 5V/1A 10Gbps
HDMI Output	-		Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter
Dimensions (HxWxD mm)	43.3 x 430 x 479		88.6 x 432 x 511.2		131.3 x 482.2 x 550.8		176.2 x 441.6 x 630.2





	TS-431XeU		TS-435XeU	TS-h973AX	
					
Model	TS-431XeU-2G	TS-431XeU-8G	TS-435XeU-4G	TS-h973AX-32G	TS-h973AX-8G
Operating System	QTS		QTS	QTS / QuTS hero	
CPU	AnnapurnaLabs Alpine AL314 32-bit ARM® Cortex-A15 quad-core 1.7GHz processor		Marvell OCTEON TX2™ CN9130 / CN9131 ARMv8 Cortex-A72 4-core 2.2GHz processor	AMD Ryzen™ Embedded V1500B 4-core/8-thread 2.2 GHz processor	
System Memory	2 GB SODIMM DDR3 (1 x 2 GB) max 8 GB	8 GB SODIMM DDR3 (1 x 8 GB) max 8 GB	4 GB SODIMM DDR4 (1 x 4GB) max 32 GB	32 GB SO-DIMM DDR4 (2 x 16 GB) max 64 GB	8 GB SO-DIMM DDR4 (1 x 8 GB) max 64 GB
Drive Bay	4 x 3.5-inch SATA 6Gb/s, 3Gb/s		4 x 3.5-inch SATA 6Gb/s, 3Gb/s	5 x 3.5-inch SATA + 4 x 2.5-inch SATA	
M.2 slot	-		2 x M.2 2280 PCIe Gen 3 x1 slots	-	
Gigabit Ethernet Port (RJ45)	2		-	-	
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	-		2 (2.5G/1G/100M)	2	
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	-		-	Optional via the QNA-UC5G1T USB to 5GbE network adapter	
10 Gigabit Ethernet Port	1 x 10GbE SFP+		2 x 10GbE SFP+	1 x 10GBASE-T (10G/5G/2.5G/1G/100M)	
25 Gigabit Ethernet Port	-		-	-	
Thunderbolt Port	-		-	-	
PCIe Slot	-		2	1 x Type-C USB 3.2 Gen 2 3 x Type-A USB 3.2 Gen 2	
USB	4 x USB 3.2 Gen 1		2 x USB 2.0 2 x USB 3.2 Gen1	-	
HDMI Output	-		-	-	
Dimensions (HxWxD mm)	43.3 x 430 x 291		43.3 x 430 x 292.12	176.5 x 224.6 x 224.1	

2.5GbE is not just for offices, but also for homes






	TS-1273AU-RP	TS-1673AU-RP
		
Model	TS-1273AU-RP-8G	TS-1673AU-RP-16G
Operating System	QTS / QuTS hero	QTS / QuTS hero
CPU	AMD Ryzen™ Embedded V1500B 4-core/ 8-thread 2.2 GHz processor	AMD Ryzen™ Embedded V1500B 4-core/ 8-thread 2.2 GHz processor
System Memory	8 GB UDIMM DDR4 (1 x 8 GB) max 64 GB	16 GB UDIMM DDR4 (1 x 16 GB)
Drive Bay	12 x 3.5-inch SATA 6Gb/s, 3Gb/s	16 x 3.5-inch SATA 6Gb/s, 3Gb/s
M.2 slot	Optional via a QNAP QM2 PCIe card	Optional via a QNAP QM2 PCIe card
Gigabit Ethernet Port (RJ45)	-	-
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)	2 (2.5G/1G/100M/10M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter	Optional via a PCIe adapter
10 Gigabit Ethernet Port	Optional via a PCIe adapter	Optional via a PCIe adapter
25 Gigabit Ethernet Port	-	-
PCIe Slot	2 x PCIe Gen3 x4	2 x PCIe Gen3 x4
USB Port	1 x USB 3.2 Gen 1 Type-A 2 x USB 3.2 Gen 2 Type-C 1 x USB 3.2 Gen 2 Type-A	1 x USB 3.2 Gen 1 Type-A 2 x USB 3.2 Gen 2 Type-C 1 x USB 3.2 Gen 2 Type-A
HDMI Output	Optional via a PCIe graphics card	Optional via a PCIe graphics card
Dimensions (HxWxD mm)	88.6 x 432 x 370.7	131.3 x 432 x 370.9

	TS-873AeU	TS-873AeU-RP
		
Model	TS-873AeU-4G	TS-873AeU-RP-4G
Operating System	QTS / QuTS hero	QTS / QuTS hero
CPU	AMD Ryzen™ Embedded V1500B 4-core/ 8-thread 2.2 GHz processor	AMD Ryzen™ Embedded V1500B 4-core/ 8-thread 2.2 GHz processor
System Memory	4 GB SODIMM DDR4 (1 x 4 GB) max 64 GB	4 GB SODIMM DDR4 (1 x 4 GB) max 64 GB
Drive Bay	8 x 3.5-inch SATA 6Gb/s, 3Gb/s	8 x 3.5-inch SATA 6Gb/s, 3Gb/s
M.2 slot	2 x M2 2280 (PCIe Gen3 x 1)	2 x M2 2280 (PCIe Gen3 x 1)
Gigabit Ethernet Port (RJ45)	-	-
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)	2 (2.5G/1G/100M/10M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter	Optional via a PCIe adapter
10 Gigabit Ethernet Port	Optional via a PCIe adapter	Optional via a PCIe adapter
25 Gigabit Ethernet Port	Optional via a PCIe adapter	Optional via a PCIe adapter
PCIe Slot	1 x PCIe Gen3 x8	1 x PCIe Gen3 x8
USB Port	2 x USB 3.2 Gen 2 Type-C 2 x USB 3.2 Gen 2 Type-A	2 x USB 3.2 Gen 2 Type-C 2 x USB 3.2 Gen 2 Type-A
HDMI Output	Optional via a PCIe graphics card	Optional via a PCIe graphics card
Dimensions (HxWxD mm)	88.6 x 432 x 297.4	88.6 x 432 x 297.4




	TS-464U		TS-464U-RP		TS-864eU		TS-864eU-RP	
								
Model	TS-464U-8G	TS-464U-4G	TS-464U-RP-8G		TS-864eU-4G	TS-864eU-8G	TS-864eU-RP-4G	TS-864eU-RP-8G
Operating System	QTS		QTS		QTS		QTS	
CPU	Intel® Celeron® N5095 4-core/ 4-thread processor, burst up to 2.9 GHz		Intel® Celeron® N5095 4-core/ 4-thread processor, burst up to 2.9 GHz		Intel® Celeron® N5095 4-core/ 4-thread processor, burst up to 2.9 GHz		Intel® Celeron® N5095 4-core/ 4-thread processor, burst up to 2.9 GHz	
System Memory	8 GB RAM	4 GB RAM	8 GB RAM		4 GB RAM	8 GB RAM	4 GB RAM	8 GB RAM
Drive Bay	4 x 3.5-inch SATA 6Gb/s, 3Gb/s		4 x 3.5-inch SATA 6Gb/s, 3Gb/s		8 x 3.5-inch SATA 6Gb/s, 3Gb/s		8 x 3.5-inch SATA 6Gb/s, 3Gb/s	
M.2 Slot	Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter	
Gigabit Ethernet Port (RJ45)	-		-		-		-	
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)		2 (2.5G/1G/100M/10M)		2 (2.5G/1G/100M/10M)		2 (2.5G/1G/100M/10M)	
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter	
10 Gigabit Ethernet Port	Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter	
25 Gigabit Ethernet Port	Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter	
PCIe Slot	1 Slot 1: PCIe Gen 3 x2		1 Slot 1: PCIe Gen 3 x2		1 Slot 1: PCIe Gen 3 x2		1 Slot 1: PCIe Gen 3 x2	
USB port	2 x USB 2.0 2 x Type A USB3.2 Gen2		2 x USB 2.0 2 x Type A USB3.2 Gen2		2 x USB 2.0 2 x Type A USB3.2 Gen2		2 x USB 2.0 2 x Type A USB3.2 Gen2	
HDMI Output	1, HDMI 1.4b		1, HDMI 1.4b		1, HDMI 1.4b		1, HDMI 1.4b	
Dimensions (HxWxD mm)	43.3 x 482.6 x 483.9		43.3 x 430 x 479		88.6 x 482.14 x 318.13		88.6 x 482.14 x 318.13	






	TS-464eU			TS-1264U-RP		TS-433eU
						
Model	TS-464eU-4G	TS-464eU-8G		TS-1264U-RP-4G	TS-1264U-RP-8G	TS-433eU
Operating System	QTS			QTS		QTS
CPU	Intel® Celeron® N5095 4-core/ 4-thread processor, burst up to 2.9 GHz			Intel® Celeron® N5095 4-core/ 4-thread processor, burst up to 2.9 GHz		ARM 4-core Cortex-A55 2.0GHz processor
System Memory	4 GB RAM	8 GB RAM		4 GB RAM	8 GB RAM	"4 GB on board (non-expandable) Max: 4 GB on board (non-expandable)"
Drive Bay	4 x 3.5-inch SATA 6Gb/s, 3Gb/s			12 x 3.5-inch SATA 6Gb/s, 3Gb/s		4x 3.5-inch SATA 6Gb/s, 3Gb/s
M.2 Slot	2 x M.2 2280 PCIe Gen 3 x1			Optional via a PCIe adapter		-
Gigabit Ethernet Port (RJ45)	-			-		-
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)			2 (2.5G/1G/100M/10M)		2 (2.5G/1G/100M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	-			Optional via a PCIe adapter		-
10 Gigabit Ethernet Port	-			Optional via a PCIe adapter		-
25 Gigabit Ethernet Port	-			Optional via a PCIe adapter		-
PCIe Slot	-			1 Slot 1: PCIe Gen 3 x2		-
USB port	2 x USB 2.0 2 x Type A USB3.2 Gen2			2 x USB 2.0 2 x Type A USB3.2 Gen2		2 x USB 3.2 Gen 1
HDMI Output	1, HDMI 1.4b			1, HDMI 1.4b		-
Dimensions (HxWxD mm)	43.3 x 482.6 x 321.33			88.7 x 482.2 x 423.8		43.3 x 430 x 291

	TVS-h474		TVS-h674		TVS-h874		
							
Model	TVS-h474-PT-8G		TVS-h674-i5-32G	TVS-h674-i3-16G	TVS-h874X-i9-64G	TVS-h874-i7-32G	TVS-h874-i5-32G
Operating System	QTS / QuTS hero		QTS / QuTS hero		QuTS hero / QTS	QuTS hero / QTS	QuTS hero / QTS
CPU	Intel® Pentium™ Gold G7400 2-core/ 4-thread 3.7 GHz Processor		Intel® Core™ i5-12400 6-core/ 12-thread Processor, burst up to 4.4 GHz	Intel® Core™ i3-12100 4-core/ 8-thread Processor, burst up to 4.3 GHz	Intel® Core™ i9 16-core (8P+8E) / 24-thread Processor	Intel® Core™ i7 12-core (8P+4E) / 20-thread Processor	Intel® Core™ i5-12400 6-core/ 12-thread Processor, burst up to 4.4 GHz
System Memory	8 GB SODIMM DDR4 (1 x 8 GB) max 64 GB		32 GB SODIMM DDR4 (2 x 16 GB) max 64 GB		64 GB SODIMM DDR4 (2 x 32 GB) max 64 GB		32 GB SODIMM DDR4 (2 x 16 GB) max 64 GB
Drive Bay	4 x 3.5-inch SATA 6Gb/s, 3Gb/s		6 x 3.5-inch SATA 6Gb/s, 3Gb/s		8 x 3.5-inch SATA 6Gb/s, 3Gb/s		8 x 3.5-inch SATA 6Gb/s, 3Gb/s
M.2 Slot	2 x M.2 2280 PCIe Gen3 x2 slots		2 x M.2 2280 PCIe Gen4 x4 slots		2 x M.2 2280 PCIe Gen4 x4 slots		2 x M.2 2280 PCIe Gen4 x4 slots
Gigabit Ethernet Port (RJ45)	-		-		-		-
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)		2 (2.5G/1G/100M/10M)		2 (2.5G/1G/100M/10M)		2 (2.5G/1G/100M/10M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter
10 Gigabit Ethernet Port	Optional via a PCIe adapter		Optional via a PCIe adapter		2 x 10GBASE-T		Optional via a PCIe adapter
25 Gigabit Ethernet Port	Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter
PCIe Slot	2 Slot 1: PCIe Gen 4 x16 (CPU) Slot 2: PCIe Gen 3 x2 (PCH)		2 Slot 1: PCIe Gen 4 x16 (CPU) Slot 2: PCIe Gen 4 x4 (PCH)		2 Slot 1: PCIe Gen 4 x16 Slot 2: PCIe Gen 4 x4		2 Slot 1: PCIe Gen 4 x16 Slot 2: PCIe Gen 4 x4
USB port	1 x Type-C USB 3.2 Gen 2 10Gbps 2 x Type-A USB 3.2 Gen 2 10Gbps		1 x Type-C USB 3.2 Gen 2 10Gbps 2 x Type-A USB 3.2 Gen 2 10Gbps		1 x Type-C USB 3.2 Gen 2 10Gbps 2 x Type-A USB 3.2 Gen 2 10Gbps		1 x Type-C USB 3.2 Gen 2 10Gbps 2 x Type-A USB 3.2 Gen 2 10Gbps
HDMI Output	1, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)		1, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)		1, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)		1, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)
Dimensions (HxWxD mm)	188.2 x 199.3 x 279.6		188.2 x 264.3 x 279.6		188.2 x 329.3 x 280.8		188.2 x 329.3 x 280.8

	TS-253E	TS-453E	TS-364	HS-264
				
Model	TS-253E-8G	TS-453E-8G	TS-364-8G	HS-264-8G
Operating System	QTS / QuTS hero		QTS	QTS
CPU	Intel® Celeron® J6412 4-core/ 4-thread processor, burst up to 2.6 GHz		Intel® Celeron® N5095 4-core/ 4-thread processor, burst up to 2.9 GHz	Intel Celeron N5105 4 core 2.0GHz, burst up to 2.9GHz
System Memory	8 GB RAM		8 GB RAM	8 GB DDR4, not expandable
Drive Bay	2 x 3.5-inch SATA 6Gb/s	4 x 3.5-inch SATA 6Gb/s	3 x 3.5-inch SATA 6Gb/s, 3Gb/s	2 x 3.5-inch SATA 6Gb/s, 3Gb/s
M.2 slot	2 x M.2 2280 PCIe Gen 3 x2	2 x M.2 2280 PCIe Gen 3 x2	2 x M.2 2280 PCIe Gen 3 x2 slots	-
Gigabit Ethernet Port (RJ45)	-		-	-
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)		1 (2.5G/1G/100M/10M)	2 (2.5G/1G/100M/10M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	-		-	-
10 Gigabit Ethernet Port	-		-	-
25 Gigabit Ethernet Port	-		-	-
PCIe Slot	-		-	-
USB port	2 x USB 2.0 2 x USB 3.2 Gen 2 Type A	2 x USB 2.0 2 x USB 3.2 Gen 2 Type A	1 x USB 3.2 Gen 1 2 x USB 3.2 Gen 2 Type A	2 x USB 3.2 Gen 2 Type A
HDMI Output	2 x HDMI 1.4b (up to 3840 x 2160 @ 30Hz)		1, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)	2 x HDMI 2.0 (up to resolution 3840 x 2160 @ 60Hz)
Dimensions (HxWxD mm)	168.5 x 102 x 225		142 x 150 x 260	41.3 x 302 x 220

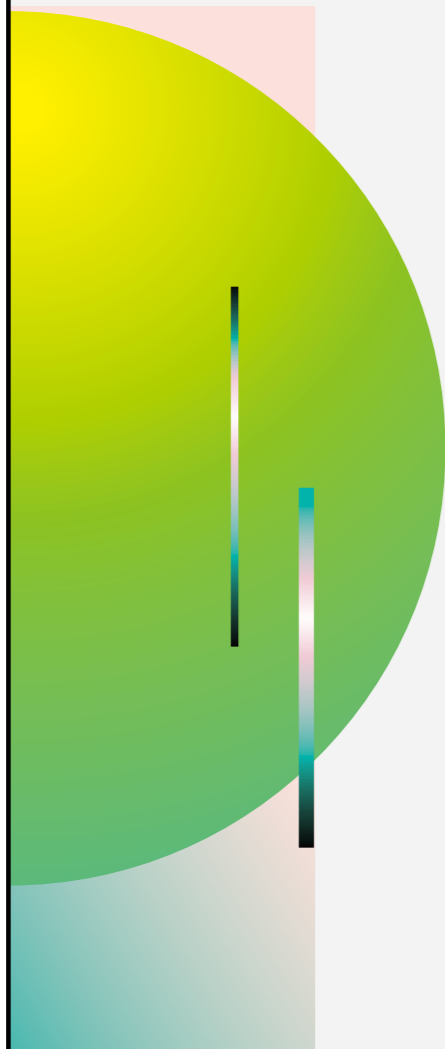
	TBS-464	TS-264		TS-464		TS-664
						
Model	TBS-464-8G	TS-264-8G		TS-464-8G TS-464-4G		TS-664-8G TS-664-4G
Operating System	QTS	QTS		QTS		QTS
CPU	Intel® Celeron® N5105 4-core/4-thread processor, burst up to 2.9GHz	Intel® Celeron® N5095 4-core/4-thread processor, burst up to 2.9 GHz		Intel® Celeron® N5095 4-core/4-thread processor, burst up to 2.9 GHz		Intel® Celeron® N5095 4-core/4-thread processor, burst up to 2.9 GHz
System Memory	8 GB DDR4, not expandable	8 GB RAM		8 GB RAM 4 GB RAM		8 GB RAM 4 GB RAM
Drive Bay	-	2 x 3.5-inch SATA 6Gb/s		4 x 3.5-inch SATA 6Gb/s		6 x 3.5-inch SATA 6Gb/s
M.2 slot	4 x M.2 2280 NVMe Gen3 x2 slots	2 x M.2 2280 PCIe Gen 3 x1		2 x M.2 2280 PCIe Gen 3 x1		2 x M.2 2280 PCIe Gen 3 x1
Gigabit Ethernet Port (RJ45)	-	-		-		-
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)	2 (2.5G/1G/100M/10M)		2 (2.5G/1G/100M/10M)		2 (2.5G/1G/100M/10M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	-	Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter
10 Gigabit Ethernet Port	-	Optional via a PCIe adapter		Optional via a PCIe adapter		Optional via a PCIe adapter
25 Gigabit Ethernet Port	-	-		-		-
PCIe Slot	-	1 Slot 1: PCIe Gen 3 x2		1 Slot 1: PCIe Gen 3 x2		1 Slot 1: PCIe Gen 3 x2
USB port	3 x USB 2.0 2 x USB 3.2 Gen 1	2 x USB 2.0 2 x USB 3.2 Gen 2 Type-A		2 x USB 2.0 2 x USB 3.2 Gen 2 Type-A		2 x USB 2.0 2 x USB 3.2 Gen 2 Type-A
HDMI Output	2, HDMI 2.0 (up to resolution 3840 x 2160 @ 60Hz)	1, HDMI 2.1		1, HDMI 2.1		1, HDMI 2.1
Dimensions (HxWxD mm)	30 x 230 x 165	168 x 105 x 226		168 x 170 x 226		168 x 235 x 226

	TS-262	TS-462		TS-873A	TS-673A	TS-473A
						
Model	TS-262-4G	TS-462-2G TS-462-4G		TS-873A-8G	TS-673A-8G	TS-473A-8G
Operating System	QTS	QTS		QTS / QuTS hero	QTS / QuTS hero	QTS / QuTS hero
CPU	Intel® Celeron® N4505 2-core/2-thread processor, burst up to 2.9 GHz	Intel® Celeron® N4505 2-core/2-thread processor, burst up to 2.9 GHz		AMD Ryzen™ Embedded V1500B 4-core/8-thread 2.2 GHz processor	AMD Ryzen™ Embedded V1500B 4-core/8-thread 2.2 GHz processor	AMD Ryzen™ Embedded V1500B 4-core/8-thread 2.2 GHz processor
System Memory	4 GB RAM	2 GB RAM 4 GB RAM		8 GB SO-DIMM DDR4 (1 x 8 GB) max 64 GB	8 GB SO-DIMM DDR4 (1 x 8 GB) max 64 GB	8 GB SO-DIMM DDR4 (1 x 8 GB) max 64 GB
Drive Bay	2 x 3.5-inch SATA 6Gb/s	4 x 3.5-inch SATA 6Gb/s		8 x 3.5-inch SATA 6Gb/s, 3Gb/s	6 x 3.5-inch SATA 6Gb/s, 3Gb/s	4 x 3.5-inch SATA 6Gb/s, 3Gb/s
M.2 Slot	2 x M.2 2280 PCIe Gen 3 x1	2 x M.2 2280 PCIe Gen 3 x1		2 x M.2 2280 PCIe Gen3 x1 slots	2 x M.2 2280 PCIe Gen3 x1 slots	2 x M.2 2280 PCIe Gen3 x1 slots
Gigabit Ethernet Port (RJ45)	-	-		-	-	-
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	1 (2.5G/1G/100M/10M)	1 (2.5G/1G/100M/10M)		2	2	2
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter	Optional via a PCIe adapter		Optional via a PCIe adapter	Optional via a PCIe adapter	Optional via a PCIe adapter
10 Gigabit Ethernet Port	Optional via a PCIe adapter	Optional via a PCIe adapter		Optional via a PCIe adapter	Optional via a PCIe adapter	Optional via a PCIe adapter
25 Gigabit Ethernet Port	-	-		-	-	-
PCIe Slot	1 Slot 1: PCIe Gen 3 x2	1 Slot 1: PCIe Gen 3 x2		2 Slot 1: PCIe Gen 3 x4 Slot 2: PCIe Gen 3 x4	2 Slot 1: PCIe Gen 3 x4 Slot 2: PCIe Gen 3 x4	2 Slot 1: PCIe Gen 3 x4 Slot 2: PCIe Gen 3 x4
USB port	2 x USB 2.0 2 x Type-A USB 3.2 Gen 2 (10Gbps)	2 x USB 2.0 2 x Type-A USB 3.2 Gen 2 (10Gbps)		3 x Type-A USB 3.2 Gen 2 10Gbps 1 x Type-C USB 3.2 Gen 1 5Gbps	3 x Type-A USB 3.2 Gen 2 10Gbps 1 x Type-C USB 3.2 Gen 1 5Gbps	3 x Type-A USB 3.2 Gen 2 5V/1A 10Gbps 1 x Type-C USB 3.2 Gen 1 5V/1A 5Gbps
HDMI Output	1, HDMI 2.1	1, HDMI 2.1		Optional via a PCIe adapter	Optional via a PCIe adapter	Optional via a PCIe adapter
Dimensions (HxWxD mm)	168 x 105 x 226	168 x 170 x 226		180.2 x 329.3 x 279.6	180.2 x 264.3 x 279.6	180.2 x 199.3 x 279.6




	TS-855eU	TS-855eU-RP		TS-216G	TS-410E	TVS-675
						
Model	TS-855eU-8G	TS-855eU-RP-8G		TS-216G	TS-410E-8G	TVS-675-8G
Operating System	QTS	QTS		QTS	QTS	QTS / QuTS hero
CPU	Intel® Atom® C5125 8-core processor, up to 2.8GHz	Intel® Atom® C5125 8-core processor, up to 2.8GHz		ARM 4-core Cortex-A55 2.0GHz processor	Intel® Celeron® J6412 4-core/ 4-thread processor, burst up to 2.6 GHz	ZhaoXin KX-U6580 8-core 2.5GHz processor
System Memory	8 GB SODIMM DDR4 (1 x 8 GB) max 64 GB	8 GB SODIMM DDR4 (1 x 8 GB) max 64 GB		4 GB on board (non-expandable)	8 GB on board (non-expandable)	8 GB SODIMM DDR4 (1 x 8 GB) max 64 GB
Drive Bay	8 x 3.5-inch SATA 6Gb/s, 3Gb/s	8 x 3.5-inch SATA 6Gb/s, 3Gb/s		2 x 3.5-inch SATA 6Gb/s, 3Gb/s	4 x 2.5-inch SATA 6Gb/s, 3Gb/s	6 x 3.5-inch SATA 6Gb/s, 3Gb/s
M.2 Slot	2 x M.2 2280 (PCIe Gen3 x 4)	2 x M.2 2280 (PCIe Gen3 x 4)		-	-	2 x M.2 2280 PCIe Gen 3 x1 or SATA 6Gb/s slots
Gigabit Ethernet Port (RJ45)	-	-		1	-	-
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)	2 (2.5G/1G/100M/10M)		1 (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)	2 (2.5G/1G/100M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter	Optional via a PCIe adapter		-	-	Optional via a PCIe adapter
10 Gigabit Ethernet Port	Optional via a PCIe adapter	Optional via a PCIe adapter		-	-	Optional via a PCIe adapter
25 Gigabit Ethernet Port	Optional via a PCIe adapter	Optional via a PCIe adapter		-	-	-
PCIe Slot	2 x PCIe Gen3 (x4) Slot 1: PCIe Gen 3 (x4) Slot 2: PCIe Gen 3 (x4)	2 x PCIe Gen3 (x4) Slot 1: PCIe Gen 3 (x4) Slot 2: PCIe Gen 3 (x4)		-	-	2 Slot 1: PCIe Gen 3 x4 Slot 2: PCIe Gen 3 x4
USB port	4 x USB 3.2 Gen 1	4 x USB 3.2 Gen 1		2 x USB 2.0 port 1 x USB 3.2 Gen 1 port	4 x USB 3.2 Gen 2	2 x USB 3.2 Gen 1 2 x USB 3.2 Gen 2 Type-A
HDMI Output	Optional via a PCIe graphics card	Optional via a PCIe graphics card		-	1, HDMI 1.4b (up to 3840 x 2160 @ 30Hz)	1, HDMI 2.0 (up to 3840 x 2160 @ 60Hz)
Dimensions (HxWxD mm)	89 x 482 x 297.4	89 x 482 x 297.4		165 x 102 x 220.6	180 x 59.1 x 244	188.2 x 263.9 x 280.8

	TS-1655	TS-AI642		TS-h886
				
Model	TS-1655-8G	TS-AI642-8G		TS-h886-D1602-8G
Operating System	QTS	QTS		QuTS hero / QTS
CPU	Intel® Atom® C5125 8-core processor, 2.8 GHz	8-core ARM Cortex 64-bit Processor (4-core Cortex-A76 2.2 GHz + 4-core Cortex-A55 1.8 GHz)		Intel® Xeon® D-1602 2-core/ 4-thread processor, up to 3.2 GHz
System Memory	8 GB UDIMM DDR4 (1 x 8 GB) max 128 GB	8 GB on board (non-expandable)		8 GB UDIMM DDR4 ECC (2 x 4 GB) max 128 GB
Drive Bay	12 x 3.5-inch + 4 x 2.5-inch SATA 6Gb/s, 3Gb/s	6 x 3.5-inch SATA 6Gb/s		6 x 3.5-inch SATA 6Gb/s, 3Gb/s + 2 x 2.5-inch SATA 6Gb/s, 3Gb/s
M.2 Slot	2 x M.2 2280 PCIe Gen3 x2 slots	Optional via a PCIe adapter		2 x M.2 22110/2280 NVMe PCIe Gen3 x4 slots
Gigabit Ethernet Port (RJ45)	-	2		-
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)	1 (2.5G/1G/100M/10M)		4 (2.5G/1G/100M/10M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter	Optional via a PCIe adapter		Optional via a PCIe adapter
10 Gigabit Ethernet Port	Optional via a PCIe adapter	Optional via a PCIe adapter		Optional via a PCIe adapter
25 Gigabit Ethernet Port	Optional via a PCIe adapter	-		Optional via a PCIe adapter
PCIe Slot	3 Slot 1: PCIe Gen 3 x4 Slot 2: PCIe Gen 3 x4 Slot 3: PCIe Gen 3 x4	1 Slot 1: PCIe Gen 3 x2		2 Slot 1: PCIe Gen3 x8 Slot 2: PCIe Gen3 x8
USB port	4 x USB 3.2 Gen 1	2 x USB 2.0 2 x USB Gen3 x 1		3 x USB 3.2 Gen 1
HDMI Output	-	1, HDMI 1.4b		-
Dimensions (HxWxD mm)	303.84 x 369.89 x 319.8	165 x 235 x 226.5		225 x 292.9 x 319.8

Breakthrough performance and outstanding connectivity with Thunderbolt NAS



	TVS-472XT	TVS-672XT
		
Model	TVS-472XT-i3-4G	TVS-672XT-i3-8G
Operating System	QTS / QuTS hero	QTS / QuTS hero
CPU	Intel® Core™ i3 Processor	Intel® Core™ i3 Processor
System Memory	4 GB SODIMM DDR4 (1 x 4 GB) max 64 GB	8 GB SODIMM DDR4 (2 x 4 GB) max 64 GB
Drive Bay	4 x 3.5-inch SATA 6Gb/s, 3Gb/s	6 x 3.5-inch SATA 6Gb/s, 3Gb/s
M.2 Slot	2 x M.2 2280 PCIe Gen3 x2 slots	2 x M.2 2280 PCIe Gen3 x2 slots
Gigabit Ethernet Port (RJ45)	2	2
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	Optional via a PCIe adapter	Optional via a PCIe adapter
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter	Optional via a PCIe adapter
10 Gigabit Ethernet Port	1 x 10GBASE-T (10G/5G/2.5G/1G/100M)	1 x 10GBASE-T (10G/5G/2.5G/1G/100M)
25 Gigabit Ethernet Port	Optional via a PCIe adapter	Optional via a PCIe adapter
Thunderbolt Port	2 (Thunderbolt™ 3)	2 (Thunderbolt™ 3)
PCIe Slot	2 Slot 1: PCIe Gen 3 x16 (CPU) Slot 2: PCIe Gen 3 x4 (PCH)	2 Slot 1: PCIe Gen 3 x16 (CPU) Slot 2: PCIe Gen 3 x4 (PCH)
USB port	1 x USB 3.2 Gen 1 2 x Type-C USB 3.2 Gen 2 10Gbps 2 x Type-A USB 3.2 Gen 2 10Gbps	1 x USB 3.2 Gen 1 2 x Type-C USB 3.2 Gen 2 10Gbps 2 x Type-A USB 3.2 Gen 2 10Gbps
HDMI Output	1, HDMI 2.0 (up to 3840 x 2160 @ 60Hz)	1, HDMI 2.0 (up to 3840 x 2160 @ 60Hz)
Dimensions (HxWxD mm)	188.2 x 199.3 x 279.6	188.2 x 264.3 x 279.6

	TVS-h674T	TVS-h874T	
			
Model	TVS-h674T-i5-32G	TVS-h874T-i9-64G	TVS-h874T-i7-32G
Operating System	QTS / QuTS hero	QTS / QuTS hero	
CPU	Intel® Core™ i5-12400 6-core/ 12-thread Processor, burst up to 4.4 GHz	Intel® Core™ i9 16-core (8P+8E) / 24-thread Processor	Intel® Core™ i7 12-core (8P+4E) / 20-thread Processor
System Memory	32 GB SODIMM DDR4 (2 x 16 GB) max 64 GB	64 GB SODIMM DDR4 (2 x 32 GB) max 64 GB	32 GB SODIMM DDR4 (2 x 16 GB) max 64 GB
Drive Bay	6 x 3.5-inch SATA 6Gb/s, 3Gb/s	8 x 3.5-inch SATA 6Gb/s, 3Gb/s	
M.2 Slot	2 x M.2 2280 PCIe Gen 4 x4 slots	2 x M.2 2280 PCIe Gen 4 x4 slots	
Gigabit Ethernet Port (RJ45)	-	-	
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)	2 (2.5G/1G/100M/10M)	
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via a PCIe adapter	Optional via a PCIe adapter	
10 Gigabit Ethernet Port	Optional via a PCIe adapter	Optional via a PCIe adapter	
25 Gigabit Ethernet Port	Optional via a PCIe adapter	Optional via a PCIe adapter	
Thunderbolt Port	2 (Thunderbolt™ 4)	2 (Thunderbolt™ 4)	
PCIe Slot	2 Slot 1: PCIe Gen 4 x16 Slot 2: PCIe Gen 4 x4	2 Slot 1: PCIe Gen 4 x16 Slot 2: PCIe Gen 4 x4	
USB port	1 x Type-C USB 3.2 Gen 2 10Gbps 2 x Type-A USB 3.2 Gen 2 10Gbps	1 x Type-C USB 3.2 Gen 2 10Gbps 2 x Type-A USB 3.2 Gen 2 10Gbps	
HDMI Output	1, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)	1, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)	
Dimensions (HxWxD mm)	188.2 x 264.3 x 280.8	188.2 x 329.3 x 280.8	

TBS-h574TX



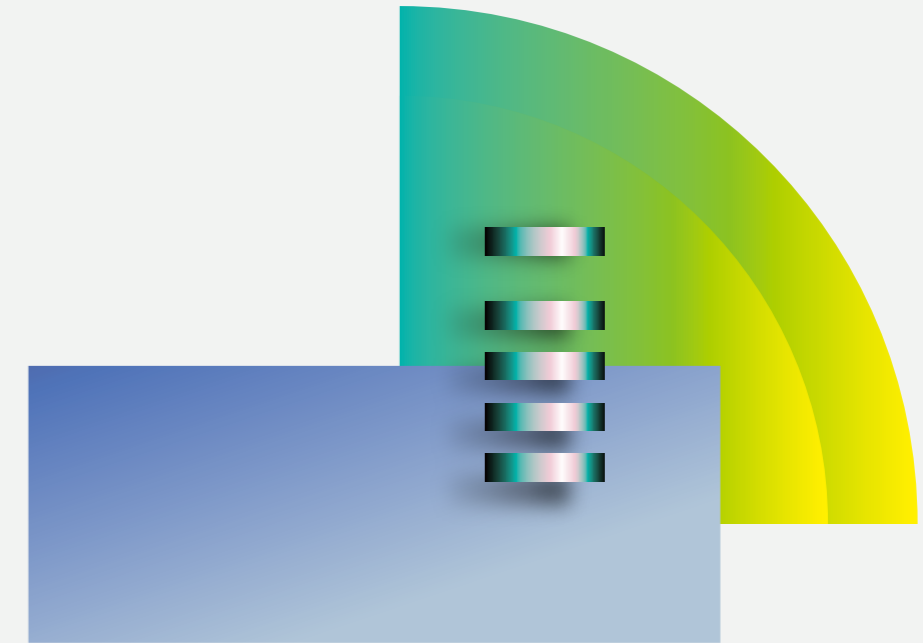
Model	TBS-h574TX-i5-16G	TBS-h574TX-i3-12G
Operating System	QTS / QuTS hero	QTS / QuTS hero
CPU	Intel® Core™ i5-1340PE 12C(4P+8E)/16T up to 4.50GHz	Intel® Core™ i3-1320PE 8C(4P+4E)/12T up to 4.50GHz
System Memory	16 GB on board (non-expandable)	12 GB on board (non-expandable)
Drive Bay	5 x E1.S up to 15mm (5x PCIe Gen3 x2) Pre-install QDA support M.2 2280 for each slots	
M.2 Slot	-	
Gigabit Ethernet Port (RJ45)	-	
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	1	
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	-	
10 Gigabit Ethernet Port	1 x 10GBASE-T (10G/5G/2.5G/1G/100M)	
25 Gigabit Ethernet Port	-	
Thunderbolt Port	2 (Thunderbolt™ 4)	
PCIe Slot	-	
USB port	1 x USB 2.0 2 x USB 3.2 Gen 2	
HDMI Output	1, HDMI 1.4b	
Dimensions (HxWxD mm)	215 x 199 x 60	



Easily build your personal cloud and access anywhere







	TS-133	TS-233	TS-433
			
Model	TS-133	TS-233	TS-433-4G
Operating System	QTS	QTS	QTS
CPU	ARM 4-core Cortex-A55 1.8GHz processor	ARM 4-core Cortex-A55 2.0GHz processor	ARM 4-core Cortex-A55 2.0GHz processor
System Memory	2 GB on board (non-expandable)	2 GB on board (non-expandable)	4 GB on board (non-expandable)
Drive Bay	1 x 3.5-inch SATA 6Gb/s, 3Gb/s	2 x 3.5-inch SATA 6Gb/s, 3Gb/s	4x 3.5-inch SATA 6Gb/s, 3Gb/s
M.2 Slot	-	-	-
Gigabit Ethernet Port (RJ45)	1	1	1
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	-	-	1 (2.5G/1G/100M)
5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	-	-	-
10 Gigabit Ethernet Port	-	-	-
25 Gigabit Ethernet Port	-	-	-
PCIe Slot	-	-	-
USB port	1 x USB 2.0 1 x USB 3.2 Gen 1	2 x USB 2.0 1 x USB 3.2 Gen 1	2 x USB 2.0 1 x USB 3.2 Gen 1
HDMI Output	-	-	-
Dimensions (HxWxD mm)	186 × 66.1 × 157.6	186 × 91.7 × 157.6	165 × 160.2 × 220.5




Flexible and economical storage expansion







	TL-R1200C-RP	TL-R400S
		
Model	TL-R1200C-RP	TL-R400S
Supported O.S.	QNAP QTS / QuTS hero, Windows, Ubuntu	QNAP QTS / QuTS hero, Windows, Ubuntu
Drive Bay	12 x 3.5-inch SATA 6Gb/s, 3Gb/s	4 x 3.5-inch SATA 6Gb/s, 3Gb/s
Gigabit Ethernet Port (RJ45)	-	-
Host Interface	1 x USB 3.2 Gen 2 Type-C	1 x SFF-8088
Dimensions (HxWxD mm)	88.6 x 482 x 562.5	43.9 x 438.9 x 291.1
Max. number of HDDs/SSDs supported	12	4
Hard Drive Type	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives



	TL-D800C	TL-D400S
		
Model	TL-D800C	TL-D400S
Supported O.S.	QNAP QTS / QuTS hero, Windows, Ubuntu	QNAP QTS / QuTS hero, Windows, Ubuntu
Drive Bay	8 x 3.5-inch SATA 6Gb/s, 3Gb/s	4 x 3.5-inch SATA 6Gb/s, 3Gb/s
Gigabit Ethernet Port (RJ45)	-	-
Host Interface	1 x USB 3.2 Gen 2 Type-C	1 x SFF-8088
Dimensions (HxWxD mm)	188.2 x 329.3 x 281.4	168.5 x 160.2 x 219
Max. number of HDDs/SSDs supported	8	4
Hard Drive Type	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives


	TL-D800S	TL-D1600S
		
Model	TL-D800S	TL-D1600S
Supported O.S.	QNAP QTS / QuTS hero, Windows, Ubuntu	QNAP QTS / QuTS hero, Windows, Ubuntu
Drive Bay	8 x 3.5-inch SATA 6Gb/s, 3Gb/s	12 x 3.5-inch SATA 6Gb/s, 3Gb/s + 4 x 2.5-inch SATA 6Gb/s, 3Gb/s
Gigabit Ethernet Port (RJ45)	-	-
Host Interface	2 x SFF-8088	4 x SFF-8088
Dimensions (HxWxD mm)	188.2 x 329.3 x 279.6	303.84 x 369.89 x 319.8
Max. number of HDDs/SSDs supported	8	16
Hard Drive Type	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives (for 3.5-inch tray slots only) 2.5-inch SATA solid state drives

	TR-002	TR-004	TR-004U
			
Model	TR-002	TR-004	TR-004U
Supported O.S.	QNAP QTS / QuTS hero, Windows, Mac, Linux	QNAP QTS / QuTS hero, Windows, Mac, Linux	QNAP QTS / QuTS hero, Windows, Mac, Linux
CPU	Micro processor with hardware RAID	Micro processor with hardware RAID	Micro processor with hardware RAID
Drive Bay	2 x 3.5-inch SATA 6Gb/s, 3Gb/s	4 x 3.5-inch SATA 3Gb/s	4 x 3.5-inch SATA 3Gb/s
Gigabit Ethernet Port (RJ45)	-	-	-
USB port	1 x Type-C USB 3.2 Gen 2 10Gbps	1 x Type-C USB 3.0 (USB 3.2 Gen 1)	1 x Type-C USB 3.0 (USB 3.2 Gen 1)
Host Interface	-	-	-
Dimensions (HxWxD mm)	168.5 x 102 x 219	168.5 x 160.2 x 219	44 x 439 x 291
Max. number of HDDs/SSDs supported	2	4	4
Hard Drive Type	2 x 2.5-inch or 3.5-inch SATA 6Gb/s	4 x 2.5-inch or 3.5-inch SATA 3Gb/s	4 x 2.5-inch or 3.5-inch SATA 3Gb/s

	TL-R1200S-RP	TL-R1220Sep-RP
		
Model	TL-R1200S-RP	TL-R1220Sep-RP
Supported O.S.	QNAP QTS / QuTS hero, Windows, Ubuntu	QNAP QTS / QuTS hero, Windows
Drive Bay	12 x 3.5-inch SATA 6Gb/s, 3Gb/s	12 x 3.5-inch SAS 12Gb/s, SAS/SATA 6Gb/s
Gigabit Ethernet Port (RJ45)	-	-
Host Interface	3 x SFF-8088	4 x 12Gb/s SAS 3.0 wide ports (4-wide port) Mini-SAS HD (SFF-8644)
Dimensions (HxWxD mm)	88.6 x 482 x 562.5	88.65 x 482.2 x 423.8
Max. number of HDDs/SSDs supported	12	12
Hard Drive Type	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives	3.5" or 2.5" SAS 12Gb/s, SAS/SATA 6Gb/s and 3Gb/s drives


	TL-R1620Sep-RP	TL-R1620Sdc
		
Model	TL-R1620Sep-RP	TL-R1620Sdc
Supported O.S.	QNAP QTS / QuTS hero, Windows	QNAP QES, Windows
CPU	-	-
Drive Bay	16 x 3.5-inch SAS 12Gb/s, SAS/SATA 6Gb/s	16 x 3.5-inch SAS 12Gb/s, SAS/SATA 6Gb/s
Gigabit Ethernet Port (RJ45)	-	1 For console access and CLI.
USB port	-	-
Host Interface	4 x 12Gb/s SAS 3.0 wide ports (4-wide port) Mini-SAS HD (SFF-8644)	3 x 12Gb/s SAS 3.0 wide ports (4-wide port) Mini-SAS HD (SFF-8644) for each controller
Dimensions (HxWxD mm)	131.3 x 482.2 x 425.3	131.3 x 482.2 x 425.3
Max. number of HDDs/SSDs supported	16	16
Hard Drive Type	3.5" or 2.5" SAS 12Gb/s, SAS/SATA 6Gb/s and 3Gb/s drives	3.5" or 2.5" SAS 12Gb/s 6Gb/s drives


	TL-R1200PES-RP	TL-R1600PES-RP
		
Model	TL-R1200PES-RP	TL-R1600PES-RP
Supported O.S.	QNAP QTS / QuTS hero	QNAP QTS / QuTS hero
Drive Bay	12 x 3.5-inch SATA 6Gb/s	16 x 3.5-inch SATA 6Gb/s
Host Interface	PCIe Gen3 x8, 1 x IN (dual SFF-8644), 1 x OUT (dual SFF-8644)	PCIe Gen3 x8, 1 x IN (dual SFF-8644), 1 x OUT (dual SFF-8644)
Dimensions (HxWxD mm)	88.65x482.2x423.8	131.3x482.2x423.3
Max. number of HDDs/SSDs supported	12	16
Hard Drive Type	3.5" or 2.5" SATA 6Gb/s and 3Gb/s drives	3.5" or 2.5" SATA 6Gb/s and 3Gb/s drives



	TL-R2400PES-RP
	
Model	TL-R2400PES-RP
Supported O.S.	QNAP QTS / QuTS hero
Drive Bay	24 x 3.5-inch SATA 6Gb/s
Host Interface	PCIe Gen3 x8, 1 x IN (dual SFF-8644), 1 x OUT (dual SFF-8644)
Dimensions (HxWxD mm)	176.15 x 480.74 x 672.05
Max. number of HDDs/SSDs supported	24
Hard Drive Type	3.5" or 2.5" SATA 6Gb/s and 3Gb/s drives

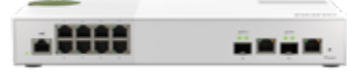
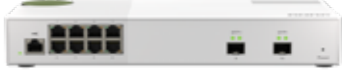
Bolster IT infrastructure with high-speed networking solutions







	QSW-M7308R-4X	QSW-M2116P-2T2S	QSW-M5216-1T
			
Model	QSW-M7308R-4X	QSW-M2116P-2T2S	QSW-M5216-1T
Management Type	Web Managed	Web Managed	Web Managed
Number of Ports	12	20	17
Gigabit Ethernet Port	4 x 100GbE QSFP28 8 x 25GbE SFP28	2 x 10GbE SFP+ 2 x 10GbE BASE-T (RJ45) 16 x 2.5GbE (RJ45)	16 x 25GbE SFP28 1 x 10GbE BASE-T (RJ45)
Total PoE Ports	-	18	-
PoE Power Output	-	Port 1-16 (30W), Port 19-20 (90W)	-
Total PoE Power Budget	-	280W	-
Form Factor	Half-width rackmount	Rackmount	Rackmount
Dimensions (HxWxD mm)	43.3 x 207 x 248.8	43.5 x 285 x 234.8	43.5 x 285 x 237.7



	QSW-3216R-8S8T	QSW-M3212R-8S4T
		
Model	QSW-3216R-8S8T	QSW-M3212R-8S4T
Management Type	Unmanaged	Web Managed
Number of Ports	16	12
Gigabit Ethernet Port	8 x 10GbE BASE-T (RJ45) 8 x 10GbE SFP	4 x 10GbE BASE-T (RJ45) 8 x 10GbE SFP
Total PoE Ports	-	-
PoE Power Output	-	-
Total PoE Power Budget	-	-
Form Factor	Half-width rackmount	Half-width rackmount
Dimensions (HxWxD mm)	43.3 x 207 x 199.5	43.3 x 207 x 199.5

	QSW-M2108R-2C	QSW-1105-5T
		
Model	QSW-M2108R-2C	QSW-1105-5T
Management Type	Web Managed	Unmanaged
Number of Ports	10	5
Gigabit Ethernet Port	2 x 10GbE SFP+/RJ45 Combo Ports 8 x 2.5GbE (RJ45)	5 x 2.5GbE (RJ45)
Total PoE Ports	-	-
PoE Power Output	-	-
Total PoE Power Budget	-	-
Form Factor	Half-width rackmount	Desktop
Dimensions (HxWxD mm)	43.3 x 207 x 199.5	34 x 180 x 145

	QSW-M2108-2C	QSW-M2108-2S
		
Model	QSW-M2108-2C	QSW-M2108-2S
Management Type	Web Managed	Web Managed
Number of Ports	10	10
Gigabit Ethernet Port	2 x 10GbE SFP+/RJ45 Combo Ports 8 x 2.5GbE (RJ45)	2 x 10GbE SFP+ 8 x 2.5GbE (RJ45)
Total PoE Ports	-	-
PoE Power Output	-	-
Total PoE Power Budget	-	-
Form Factor	Desktop	Desktop
Dimensions (HxWxD mm)	42.5 x 290 x 127	42.5 x 290 x 127


	QSW-308-1C	QSW-308S
		
Model	QSW-308-1C	QSW-308S
Management Type	Unmanaged	Unmanaged
Number of Ports	11	11
Gigabit Ethernet Port	2 x 10GbE SFP+ 1 x 10GbE SFP+/RJ45 Combo Ports 8 x 1GbE (RJ45)	3 x 10GbE SFP+ 8 x 1GbE (RJ45)
Total PoE Ports	-	-
PoE Power Output	-	-
Total PoE Power Budget	-	-
Form Factor	Desktop	Desktop
Dimensions (HxWxD mm)	42.5 x 290 x 127	42.5 x 290 x 127

	QSW-M3224-24T	QSW-IM3216-8S8T
		
Model	QSW-M3224-24T	QSW-IM3216-8S8T
Management Type	L3 Lite Web Managed	Web Managed
Number of Ports	24	16
Gigabit Ethernet Port	1 x 1GbE RJ45 10GbE BASE-T (RJ45) x 24 (10G/5G/2.5G/1G/100M)	1 x 1GbE RJ45 10GbE SFP+ x 8 (10G/1G) 10GbE BASE-T (RJ45) x 8 (10G/5G/2.5G/1G/100M)
Total PoE Ports	--	--
PoE Power Output	--	--
Operating Temperature	0°C to 40°C (32°F to 104°F)	-30°C to 65°C (-22°F to 149°F) in airy environments
Form Factor	Rackmount	Rackmount
Dimensions (HxWxD mm)	44.2 x 438.5 x 190	43.5 x 285 x 231.5



	QSW-M2106-4C	QSW-M2106-4S
		
Model	QSW-M2106-4C	QSW-M2106-4S
Management Type	Web Managed	Web Managed
Number of Ports	10	10
Gigabit Ethernet Port	4 x 10GbE SFP+/RJ45 Combo Ports 6 x 2.5GbE (RJ45)	4 x 10GbE SFP+ 6 x 2.5GbE (RJ45)
Total PoE Ports	-	-
PoE Power Output	-	-
Total PoE Power Budget	-	-
Form Factor	Desktop	Desktop
Dimensions (HxWxD mm)	42.5 x 290 x 127	42.5 x 290 x 127

	QSW-M3216R-8S8T	QSW-M1204-4C
		
Model	QSW-M3216R-8S8T	QSW-M1204-4C
Management Type	Web Managed	Web Managed
Number of Ports	16	12
Gigabit Ethernet Port	8 x 10GbE BASE-T (RJ45) 8 x 10GbE SFP+/RJ45 Combo Ports	8 x 10GbE SFP+ 4 x 10GbE SFP+/RJ45 Combo Ports
Total PoE Ports	-	-
PoE Power Output	-	-
Total PoE Power Budget	-	-
Form Factor	Half-width rackmount	Rackmount
Dimensions (HxWxD mm)	207 x 199.5 x 43.3	46.65 x 285 x 236.6

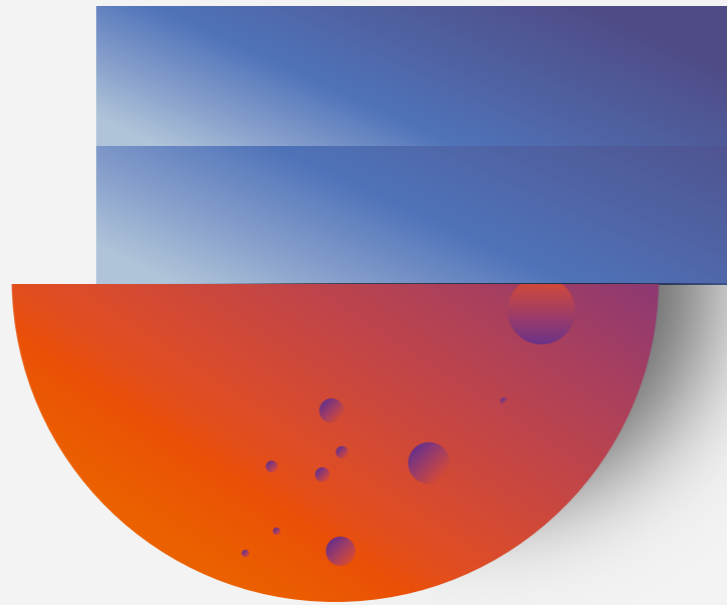
	QSW-2104-2S	QSW-M408-4C
		
Model	QSW-2104-2S	QSW-M408-4C
Management Type	Unmanaged	Web Managed
Number of Ports	6	12
Gigabit Ethernet Port	2 x 10GbE SFP+ 4 x 2.5GbE (RJ45)	4 x 10GbE SFP+/RJ45 Combo Ports 8 x 1GbE (RJ45)
Total PoE Ports	-	-
PoE Power Output	-	-
Total PoE Power Budget	-	-
Form Factor	Desktop	Desktop
Dimensions (HxWxD mm)	34 x 180 x 145	42.5 x 290 x 127

	QSW-M2106R-2S2T	QSW-M2106PR-2S2T
		
Model	QSW-M2106R-2S2T	QSW-M2106PR-2S2T
Management Type	Web Managed	Web Managed
Number of Ports	10	10
Gigabit Ethernet Port	2 x 10GbE SFP+ 2 x 10GbE BASE-T (RJ45) 6 x 2.5GbE (RJ45)	2 x 10GbE SFP+ 2 x 10GbE BASE-T (RJ45) 6 x 2.5GbE (RJ45)
Total PoE Ports	-	8
PoE Power Output	-	Port 1-8 (90W)
Total PoE Power Budget	-	310W
Form Factor	Half-width rackmount	Half-width rackmount
Dimensions (HxWxD mm)	43.3 x 207 x 248.8	43.3 x 207 x 248.8

	QSW-M804-4C	QSW-2104-2T
		
Model	QSW-M804-4C	QSW-2104-2T
Management Type	Web Managed	Unmanaged
Number of Ports	8	6
Gigabit Ethernet Port	4 x 10GbE SFP+ 4 x 10GbE SFP+/RJ45 Combo Ports	2 x 10GbE BASE-T (RJ45)
Total PoE Ports	-	-
PoE Power Output	-	-
Total PoE Power Budget	-	-
Form Factor	Rackmount	Desktop
Dimensions (HxWxD mm)	46.65 x 285 x 236.6	34 x 180 x 145

	QSW-M408-2C	QSW-M408-2S
		
Model	QSW-M408-2C	QSW-M408-2S
Management Type	Web Managed	Web Managed
Number of Ports	12	12
Gigabit Ethernet Port	2 x 10GbE SFP+ 2 x 10GbE SFP + /RJ45 Combo Ports 8 x 1GbE (RJ45)	4 x 10GbE SFP+ 8 x 1GbE (RJ45)
Total PoE Ports	-	-
PoE Power Output	-	-
Total PoE Power Budget	-	-
Form Factor	Desktop	Desktop
Dimensions (HxWxD mm)	42.5 x 290 x 127	42.5 x 290 x 127

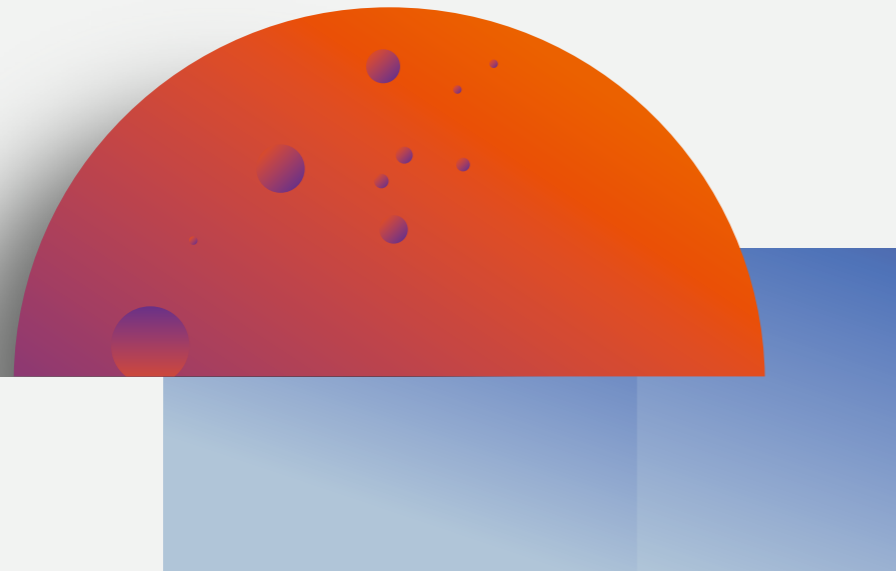
Secure remote multi-site VPN,
providing a high-speed
on-premises solution covering
wired and wireless connections






	QHora-321	QHora-322	QHora-301W
			
Model	QHora-321	QHora-322	QHora-301W
Number of Ethernet Ports	6	9	6
10GbE BASE-T (RJ45)	-	3 x 10GBASE-T (10G/5G/2.5G/1G/100M)	2 x 10GBASE-T (10G/5G/2.5G/1G/100M)
2.5GbE (RJ45)	6	6	-
1GbE (RJ45)	-	-	4
Wireless Antenna	-	-	8 Internal Antennas
Wi-Fi 6 (802.11ax)	-	-	Yes
Wi-Fi 5 (802.11ac)	-	-	Yes
USB 3.2 Gen 1 port	-	1	2
Wireless Standard	-	-	802.11a/b/g/n/ac/ax
Wireless Speed Rating	-	-	AX3600
Wireless Bandwidth	-	-	20/40/80/160 MHz
Transmit Output Power	-	-	Depends on country code
Dimensions (HxWxD mm)	166.4 x 145.7 x 29.85	226 x 140 x 44.4	250x180x48
QNAP SD-WAN solution, QuWAN	Yes	Yes	Yes






	QMiroPlus-201W	QMiro-201W
		
Model	QMiroPlus-201W	QMiro-201W
Number of Ethernet Ports	5	2
10GbE BASE-T (RJ45)	-	-
2.5GbE Host Port(RJ45)	1	-
1GbE (RJ45)	4	2
Wireless Antenna	4 Internal Antennas	4 Internal Antennas
Wi-Fi 5 (802.11ac)	Yes	Yes
USB 3.2 Gen 1 port	2	1
Bluetooth	Version 5	Version 5
Wireless Standard	802.11a/b/g/n/ac	802.11a/b/g/n/ac
Wireless Speed Rating	AC2200	AC2200
Wireless Bandwidth	20/40/80MHz	20/40/80MHz
Dimensions	183.5 x 105 x 143.5	68 x 100 x 175.5
Wi-Fi Mesh	Yes (with Tri-Band)	Yes (with Tri-Band)
QNAP SD-WAN solution, QuWAN	Yes	Yes
Drive Bay	2 x 2.5-inch SATA 3Gb/s(Compatible with 6Gb/s SSD/HDD)	-




Highly Efficient, Economic and Secure



QGD-1602		
		
Model	QGD-1602-C3558-8G	QGD-1602-C3758-16G
Management Type	Web Managed	Web Managed
PCIe Slot	Slot 1: PCIe Gen3 (x4 slot, x2 speed) Slot 2: PCIe Gen3 (x4 slot, x2 speed)	Slot 1: PCIe Gen3 (x4 slot, x2 speed) Slot 2: PCIe Gen3 (x4 slot, x2 speed)
USB port	2 x USB 3.2 Gen 1	2 x USB 3.2 Gen 1
Management Port	2 x 5GbE ; 2 x 1GbE	2 x 5GbE ; 2 x 1GbE
HDMI Output	-	-
Number of Ports	18	18
10GbE SFP+	2	2
2.5GbE (RJ45)	8	8
1GbE (RJ45)	8	8
1GbE SFP/RJ45 Combo Ports	-	-
Total PoE Ports	-	-
PoE PSE (802.3af, 15.4W)	-	-
PoE+ PSE (802.3at, 30W)	-	-
PoE++ PSE (802.3bt, 60W)	-	-
PoE++ PSE (802.3bt, 90W)	-	-
PoE Power Output	-	-
Total PoE Power Budget	-	-
Dimensions (HxWxD mm)	44.2 x 435.2 x 327.7	44.2 x 435.2 x 327.7

QGD-1600		
		
Model	QGD-1600-4G	QGD-1600-8G
Management Type	Web Managed	Web Managed
PCIe Slot	Slot 1: PCIe Gen2 (x2) Slot 2: PCIe Gen2 (x2)	Slot 1: PCIe Gen2 (x2) Slot 2: PCIe Gen2 (x2)
USB port	1 x USB 3.2 Gen 1 2 x USB 2.0	1 x USB 3.2 Gen 1 2 x USB 2.0
Management Port	1 x 1GbE	1 x 1GbE
HDMI Output	1	1
Number of Ports	16	16
10GbE SFP+	-	-
2.5GbE (RJ45)	-	-
1GbE (RJ45)	14	14
1GbE SFP/RJ45 Combo Ports	2	2
Total PoE Ports	-	-
PoE PSE (802.3af, 15.4W)	-	-
PoE+ PSE (802.3at, 30W)	-	-
PoE++ PSE (802.3bt, 60W)	-	-
PoE++ PSE (802.3bt, 90W)	-	-
PoE Power Output	-	-
Total PoE Power Budget	-	-
Dimensions (HxWxD mm)	47.2 x 436.2 x 326.2	47.2 x 436.2 x 326.2



	QuCPE-3032		QuCPE-3034		QuCPE-7012		QuCPE-7012		QuCPE-7030A	
										
Model	QuCPE-3032-C3558R-8G		QuCPE-3034-C3758R-16G		QuCPE-7012-D2166NT-64G		QuCPE-7012-D2146NT-32G		QuCPE-7030A-D1736NT-32G	
System	QNE Network		QNE Network		QNE Network		QNE Network		QNE Network	
CPU	Intel® Atom® C3558R 4-core 2.4 GHz processor		Intel® Atom® C3758R 8-core 2.4 GHz processor		Intel® Xeon® D-2166NT 12-core/24-thread 2.0GHz processor (16.6M Cache; up to 3.0 GHz)		Intel® Xeon® D-2146NT 8-core/16-thread 2.3GHz processor (11M Cache; burst up to 3.0GHz)		Intel® Xeon® D-2123IT 4C/8T (11M Cache, 2.20 GHz, up to 3GHz)	
System Memory	8GB DDR4 2400MHz Non-ECC UDIMM (1 x 8 GB)		16GB DDR4 2400MHz Non-ECC UDIMM (2 x 8 GB)		64GB DDR4 2666MHz ECC RDIMM (4 x 16GB)		32GB DDR4 2666MHz ECC RDIMM (2 x 16GB)		8GB DDR4 2666MHz ECC RDIMM (1 x 8GB)	
Drive Bays	-		-		2 x 2.5-inch SATA 6Gb/s, 3Gb/s		2 x 2.5-inch SATA 6Gb/s, 3Gb/s		2 x 2.5-inch SATA 6Gb/s, 3Gb/s	
PCIe Slot	-		-		1 x PCIe Gen 3 x8		1 x PCIe Gen 3 x8		1 x PCIe Gen4 x 8 (FH) Or 2 x PCIe Gen4 x 4 (FH)	
Console Port (RJ45)	1		1		1		1		1	
M.2 SSD Slots	2 x M.2 2280 NVMe		2 x M.2 2280 NVMe		-		-		3	
USB 2.0 port	1 Type-A		1 Type-A		1		1		-	
USB 3.2 Gen 1 port	1 Type-A		1 Type-A		1		1		2	
Dimension W x D x H (mm)	285 x 237 x 46		285 x 237 x 46		430 x 426 x 44.2		430 x 426 x 44.2		436.2 x 454.3 x 44.2	
10GbE SFP+	2		4		4		4		5	
2.5GbE (RJ45)	8		8		8		8		8	

	QGD-1602P		QGD-1600P		QGD-3014-16PT	
						
Model	QGD-1602P-C3758-16G		QGD-1602P-C3558-8G		QGD-1600P-8G	
Management Type	Web Managed		Web Managed		Web Managed	
PCIe Slot	Slot 1: PCIe Gen3 (x4 slot, x2 speed) Slot 2: PCIe Gen3 (x4 slot, x2 speed)		Slot 1: PCIe Gen3 (x4 slot, x2 speed) Slot 2: PCIe Gen3 (x4 slot, x2 speed)		Slot 1: PCIe Gen2 (x2) Slot 2: PCIe Gen2 (x2)	
USB port	2 x USB 3.2 Gen 1		2 x USB 3.2 Gen 1		1 x USB 3.2 Gen 1 2 x USB 2.0	
Management Port	2 x 5GbE ; 2 x 1GbE		2 x 5GbE ; 2 x 1GbE		1 x 1GbE	
HDMI Output	-		-		1	
Number of Ports	18		18		16	
10GbE SFP+	2		2		-	
2.5GbE (RJ45)	8		8		-	
1GbE (RJ45)	8		8		14	
1GbE SFP/RJ45 Combo Ports	-		-		2	
Total PoE Ports	16		16		16	
PoE PSE (802.3af, 15.4W)	Ports 1-16		Ports 1-16		Ports 1-16	
PoE+ PSE (802.3at, 30W)	Ports 1-16		Ports 1-16		Ports 1-16	
PoE++ PSE (802.3bt, 60W)	-		-		Ports 1-4	
PoE++ PSE (802.3bt, 90W)	Ports 1-4		Ports 1-4		-	
PoE Power Output	Ports 1-4 (90W), Ports 5-16 (30W)		Ports 1-4 (90W), Ports 5-16 (30W)		Ports 1-4 (60W), Ports 5-16 (30W)	
Total PoE Power Budget	370W		200W		360W	
Dimensions (HxWxD mm)	44.2 x 435.2 x 327.7		44.2 x 435.2 x 327.7		47.2 x 436.2 x 326.2	

Secure surveillance system & Smart Video Conferencing Solution

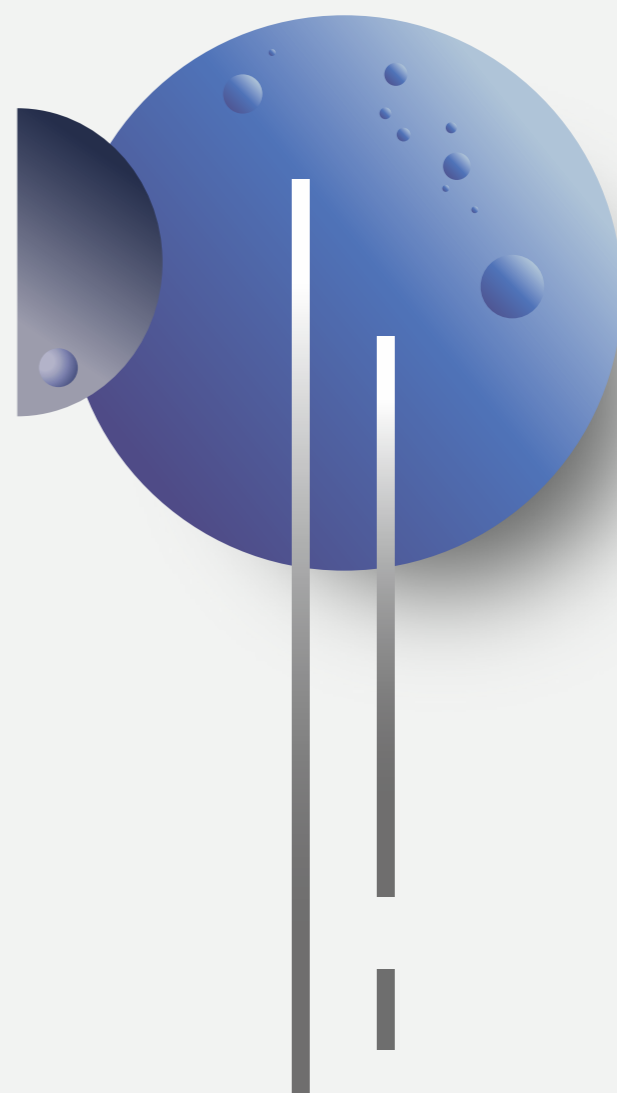


	QVP-63B	QVP-85B
		
Model	QVP-63B	QVP-85B
Operating System	QVR Pro OS (QVP)	QVR Pro OS (QVP)
CPU	Intel® Core™ i3 Processor	Intel® Core™ i5 Processor
System Memory	16 GB SODIMM DDR4 (1 x 16 GB)	32 GB SODIMM DDR4 (2 x 16 GB)
Drive Bay	6 x 3.5-inch SATA 6Gb/s, 3Gb/s	8 x 3.5-inch SATA 6Gb/s, 3Gb/s
Max Live Cameras (Local Display)	50ch @ All 720p,H.264, 30FPS 30ch @ All 1080p,H.264, 30FPS	56ch @ All 720p,H.264, 30FPS 34ch @ All 1080p,H.264, 30FPS
Max Playback Cameras (Local Display)	16	16
Max Concurrent Connection (Client)	16 (4 live cameras / per remote client) *The number of client concurrent connection varies by live cameras	16 (4 live cameras / per remote client) *The number of client concurrent connection varies by live cameras
Embedded Channel	8	8
Max Channel	36 H264 / 1920x1080 / 30FPS	64 H264 / 1920x1080 / 30FPS
Gigabit Ethernet Port	2 x 2.5GbE	2 x 2.5GbE
PoE PSE (802.3af, 15.4W)	-	-
PoE+ PSE (802.3at, 30W)	-	-
PoE Power Output	-	-
Total PoE Power Budget	-	-
PCI slot	2 Slot 1: PCIe Gen 4 x16 Slot 2: PCIe Gen 4 x4	2 Slot 1: PCIe Gen 4 x16 Slot 2: PCIe Gen 4 x4
USB port	1 x Type-C USB 3.2 Gen 2 10Gbps 2 x Type-A USB 3.2 Gen 2 10Gbps	1 x Type-C USB 3.2 Gen 2 10Gbps 2 x Type-A USB 3.2 Gen 2 10Gbps
HDMI Output	1, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)	1, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)
Dimensions (HxWxD mm)	188.2 x 264.3 x 280.8	188.2 x 329.3 x 280.8

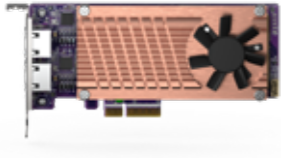
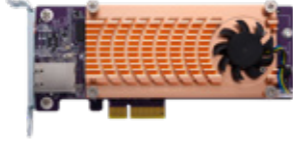
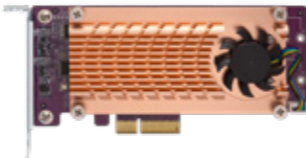
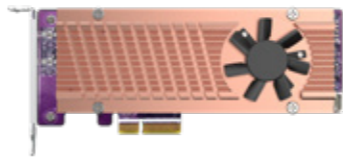
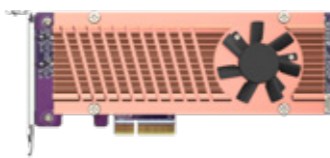
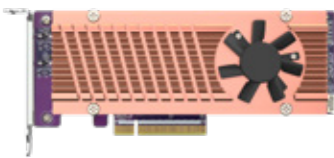
	QVP-41B	QVP-21C	QVP-41C
			
Model	QVP-41B	QVP-21C	QVP-41C
Operating System	QVR Pro OS (QVP)	QVR Pro OS (QVP)	QVR Pro OS (QVP)
CPU	Intel Celeron® Processor	Intel® Celeron® J6412 4-core/ 4-thread processor, burst up to 2.6 GHz	Intel® Celeron® J6412 4-core/ 4-thread processor, burst up to 2.6 GHz
System Memory	8 GB SODIMM DDR4 (2 x 4 GB)	8GB RAM	8GB RAM
Drive Bay	4 x 3.5-inch SATA 6Gb/s, 3Gb/s	2 x 3.5-inch SATA 6Gb/s	4 x 3.5-inch SATA 6Gb/s, 3Gb/s
Max Live Cameras (Local Display)	24ch @ All 720p,H.264, 30FPS 12ch @ All 1080p,H.264, 30FPS	12ch @ All 720p,H.264, 30FPS 6ch @ All 1080p,H.264, 30FPS	24ch @ All 720p,H.264, 30FPS 12ch @ All 1080p,H.264, 30FPS
Max Playback Cameras (Local Display)	12	12	12
Max Concurrent Connection (Client)	8 (4 live cameras / per remote client) *The number of client concurrent connection varies by live cameras	8 (4 live cameras / per remote client) *The number of client concurrent connection varies by live cameras	8 (4 live cameras / per remote client) *The number of client concurrent connection varies by live cameras
Embedded Channel	8	8	8
Max Channel	24 H264 / 1920x1080 / 30FPS	16 H264 / 1920x1080 / 30FPS	24 H264 / 1920x1080 / 30FPS
Gigabit Ethernet Port	14 x 1GbE (RJ45) 2 x 2.5 GbE 2 x 1GbE SFP/RJ45 Combo Port	2 x 2.5GbE	2 x 2.5GbE
PoE PSE (802.3af, 15.4W)	port 1-16	-	-
PoE+ PSE (802.3at, 30W)	port 1-16	-	-
PoE Power Output	port 1-16 (Max 30W per port)	-	-
Total PoE Power Budget	140W	-	-
PCI slot	-	-	-
USB port	3 x USB 3.2 Gen 1	2 x USB 3.2 Gen 2	2 x USB 3.2 Gen 2
HDMI Output	2, HDMI 2.0 (up to 3840 x 2160 @ 60Hz)	2, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)	2, HDMI 1.4b (up to 4096 x 2160 @ 30Hz)
Dimensions (HxWxD mm)	130 x 295 x 224.8	169.2 x 102 x 220.5	168.5 x 160.2 x 220.5

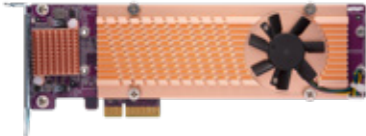



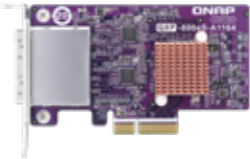

KoiBox-100W	
	
Model	koibox-100w
Operating System	KoiMeeter
CPU	Intel® Celeron® dual-core 1.8GHz
System Memory	4GB DDR4
Drive Bay	1 x 2.5-inch SATA (HDD/SSD not included)
Gigabit Ethernet Port	1 x 1GbE RJ45
Wi-Fi / Bluetooth	Intel Wi-Fi 6 AX201, 802.11ax, Bluetooth 5.2
HDMI Output	1 x HDMI 1.4b output
USB Port	4 x USB 3.2 Gen 2 Type-A
Dimensions (H x W x D)	45 x 232 x 152

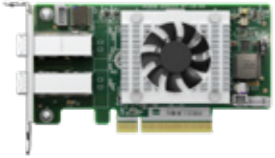
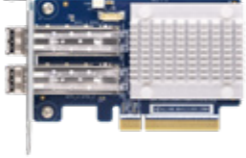




Versatile feature-rich accessories to enhance the performance of your system


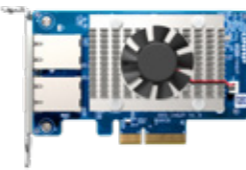

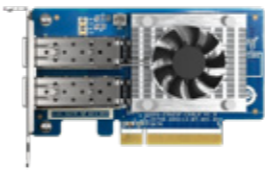





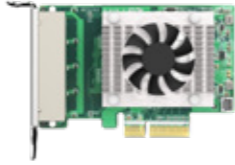

	QDA-UMP4A	QDA-SA3	QDA-UMP4		QDA-U2MP	QDA-A2AR	QDA-A2MAR
							
Model	QDA-UMP4A	QDA-SA3	QDA-UMP4		QDA-U2MP	QDA-A2AR	QDA-A2MAR
description	M.2 2280/2260/2242/2230 NVMe PCIe to U.2 NVMe PCIe adapter, H:7mm	2.5-inch 6Gbps SAS to SATA drive adapter	M.2 2280 NVMe PCIe to U.2 NVMe PCIe adapter, H:15mm		Use two M.2 PCIe NVMe SSD in a U.2 PCIe NVMe SSD drive bay for PC and NAS	Use two 2.5-inch SATA drives in a single 3.5-inch SATA drive bay with RAID support for PC and NAS	Use two M.2 SATA SSDs in a single 2.5-inch SATA drive bay with RAID support for PC and NAS

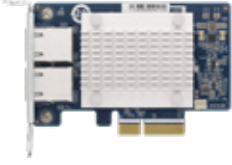

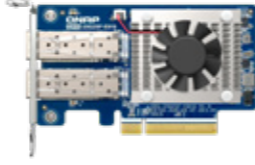
	QM2-2P2G2T	QM2-2P10G1TB	QM2-2S-220A		QM2-2P-244A	QM2-2P-344A	QM2-2P-384A
							
Model	QM2-2P2G2T	QM2-2P10G1TB	QM2-2S-220A		QM2-2P-244A	QM2-2P-344A	QM2-2P-384A
description	Dual M.2 2280 SATA SSD & dual-port 2.5GbE expansion card	Dual M.2 2280 PCIe NVMe SSD & single-port 10GbE expansion card	Dual M.2 22110/2280 SATA SSD expansion card		Dual M.2 22110/2280 PCIe NVMe SSD expansion card	Dual M.2 22110/2280 PCIe NVMe SSD expansion card	Dual M.2 22110/2280 PCIe NVMe SSD expansion card




	QM2-4S-240	QXP-1600eS-A1164	QXP-10G2U3A		QXP-400eS-A1164	QXP-800eS-A1164	QXP-T32P
							
Model	QM2-4S-240	QXP-1600eS-A1164	QXP-10G2U3A		QXP-400eS-A1164	QXP-800eS-A1164	QXP-T32P
description	Dual M.2 22110/2280 SATA SSD expansion card	16-port SATA expansion card	USB 3.2 Gen 2 dual-port PCIe expansion card		Quad-port SATA expansion card (1 x SFF-8088)	8-port SATA expansion card (2 x SFF-8088)	Dual-port Thunderbolt™ 3 Expansion Card




	QXP-820S-B3408	QXP-16G2FC	QXP-32G2FC		QXP-3X8PES	QXP-3X4PES	QXG-ES10G1T
							
Model	QXP-820S-B3408	QXP-16G2FC	QXP-32G2FC		QXP-3X8PES	QXP-3X4PES	QXG-ES10G1T
description	Dual-port External SAS 12Gb/s storage expansion card	Dual-port 16Gb Enhanced Gen 5 Fibre Channel expansion card with SFP+ transceivers	Dual-port 32Gb Gen 6 Fibre Channel expansion card with SFP+ transceivers		Dual-port PCIe Gen 3 x8 expansion card	Dual-port PCIe Gen 3 x4 expansion card	Single-port, 5-speed 10 GbE network expansion card

	QXG-10G1T	QXG-10G2T	QXG-10G2SF-X710		QXG-25G2SF-CX6	QXG-100G2SF-E810	QXG-2G1T-I225
							
Model	QXG-10G1T	QXG-10G2T	QXG-10G2SF-X710		QXG-25G2SF-CX6	QXG-100G2SF-E810	QXG-2G1T-I225
description	Single-port, 5-speed 10 GbE RJ45 network expansion card	Dual-port, 5-speed 10 GbE RJ45 network expansion card	Dual-port 10 GbE SFP+ network expansion card		Dual-port 25 GbE SFP28 network expansion card	Dual-port 100 GbE QSFP28 network expansion card	Single-port 2.5 GbE RJ45 network expansion card

	QXG-2G2T-I225	QXG-2G4T-I225	QXG-5G1T-111C
			
Model	QXG-2G2T-I225	QXG-2G4T-I225	QXG-5G1T-111C
description	Dual-port 2.5 GbE RJ45 network expansion card	Quad-port 2.5 GbE RJ45 network expansion card	Single-port, 4-speed 5 GbE RJ45 network expansion card

	QXG-5G2T-111C	QXG-5G4T-111C	QXG-25G2SF-E810
			
Model	QXG-5G2T-111C	QXG-5G4T-111C	QXG-25G2SF-E810
description	Dual-port, 4-speed 5 GbE RJ45 network expansion card	Quad-port, 4-speed 5 GbE RJ45 network expansion card	Dual-port 25 GbE SFP28 network expansion card

	QNA-UC10G1T	QNA-UC10G1SF	QNA-T310G1S
			
Model	QNA-UC10G1T	QNA-UC10G1SF	QNA-T310G1S
description	USB4 Type C to 1 x 10GBASE-T RJ45 network adapter, support 5 speeds (10GbE / 5GbE / 2.5GbE / 1GbE / 100MbE)	USB 4 Type C to single-port 10GbE SFP+ adapter	Single-port Thunderbolt 3 to single-port 10GbE SFP+

	QNA-T310G1T	QAI-M100	QAI-U100
			
Model	QNA-T310G1T	QAI-M100	QAI-U100
description	Single-port Thunderbolt 3 to single-port 10GBASE-T RJ45 network adapter, support 5 speeds (10GbE / 5GbE / 2.5GbE / 1GbE / 100MbE)	M.2 2280 PCIe AI Accelerator, 3 TOPS	USB AI Accelerator, 3 TOPS



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