

## Product Datasheet

# 10-port Gigabit Uplink Ethernet Fiber Switch

## ONV31108FB



## OVERVIEW

The ONV31108FB is a gigabit uplink Ethernet fiber switch independently developed by ONV. It is a network environment specially designed for hotels, banks, campuses, attractions, commercial supermarkets, factories, parks, governments and SMB small and medium enterprises that require high-speed forwarding. And designed a high performance, easy to maintain Ethernet switch. It has 8\*10/100M RJ45 ports and 2\*10/100/1000M RJ45 ports and 2\*1000M SFP port (combo ports). Each port can support wire-speed forwarding. Through the gigabit combo port, the network can be easily connected and expanded without being affected by the transmission medium. 4M large-capacity packet forwarding buffer (2 times that of similar products), ensuring timely transmission of large files and stable video streaming, stable 7\*24 hours without dropping, effectively solving problems such as video stuttering and picture loss in high-definition monitoring environments. The ONV31108FB switch adopts a high-strength all-steel housing, which is simple and stylish, exquisite and beautiful, it can support desktop and 1U / 19 inch cabinet installation.

Plug and play, no setup, simple and convenient to use.

## FEATURE

### ■ 100M access, Gigabit (TP/SFP) combo port uplink

- ◇ All series support “10/100M Ethernet port and Gigabit combo port” combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.

### ■ Stable and reliable, easy to use

- ◇ CCC, CE, FCC, RoHS.
- ◇ Desktop and 1U / 19 inch cabinet installation.
- ◇ Plug and play, no setup, simple and convenient to use.
- ◇ Low power consumption, galvanized steel metal casing.
- ◇ Self-developed power supply, high redundancy design, providing a long term and stable power output.
- ◇ The user-friendly panel, it can show the device status through the LED indicator of PWR, Link.

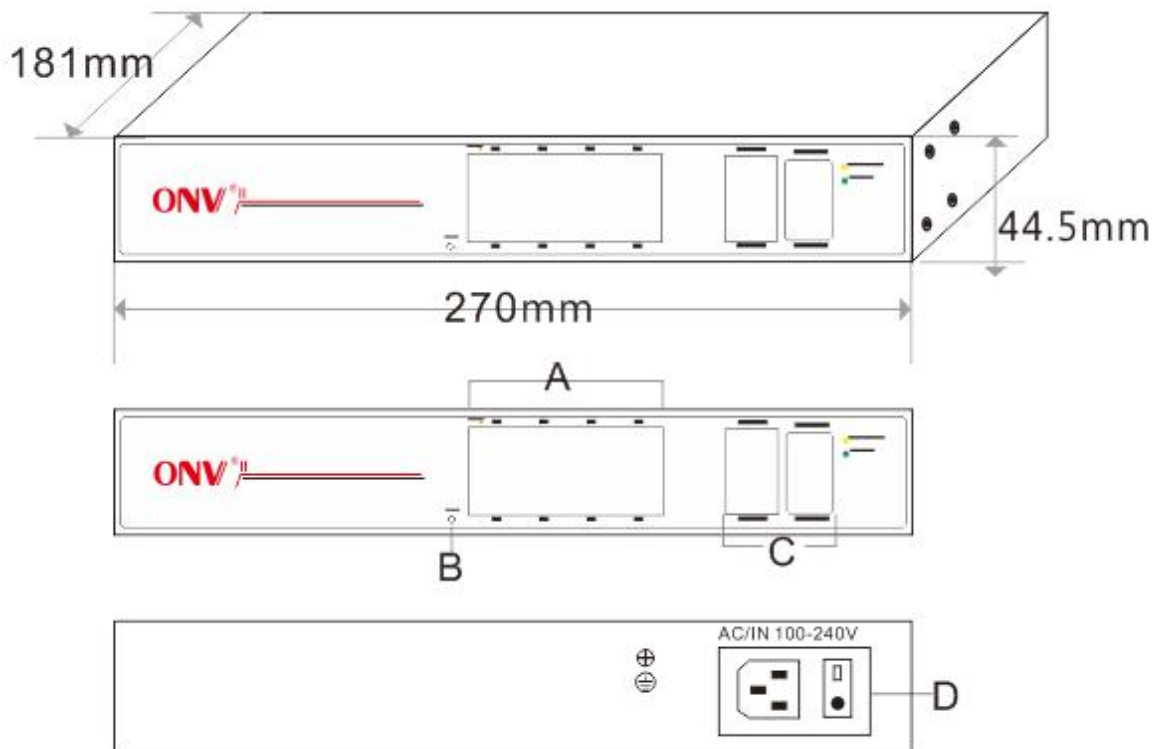
## TECHNICAL SPECIFICATION

Model	ONV31108FB
<b>Interface Characteristics</b>	
Fixed Port	8*10/100Base-TX RJ45 ports (Data) 2*10/100/1000Base-T uplink RJ45 ports(Data) 2*1000Base-X uplink SFP slot ports (combo ports) (Data)
Ethernet Port	Port 1-8 support 10/100Base-TX, Port 9-10 can support 10/100/1000BaseT automatic detection, full / half duplex MDI/MDI-X adaptive
Twisted Pair	10BASE-T: Cat3,4,5 UTP(≤100 meter)
Transmission	100BASE-TX: Cat5 or later UTP(≤100 meter)

	1000BASE-T: Cat5e or later UTP(≤100 meter)
SFP Slot Port	Gigabit SFP optical fiber interface, default not matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable/ Distance	Multi mode: 850nm / 0 ~ 500M, 1310nm / 0 ~ 2KM, single mode: 1310nm / 0 ~ 40KM, 1550nm / 0 ~ 120KM.
<b>Chip Parameter</b>	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X, IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	5.6Gbps
Forwarding Rate@64byte	4.17Mpps
MAC	16K
Buffer Memory	4M
Jumbo Frame	10K
LED Indicator	Power: PWR (green), network: Link, link/Act (yellow), Speed: Speed (green)
<b>Power</b>	
Total PWR / Input Voltage	30W/ (AC100-240V)
Power Consumption	Standby<8W, Full load<12W
Power Supply	Built-in power supply, AC100~240V 50-60Hz 1.0A
<b>Physical Parameter</b>	
Operation TEMP / Humidity	-20~+55°C, 5%~90% RH Non condensing
Storage TEMP /	-40~+75°C, 5%~95% RH Non condensing

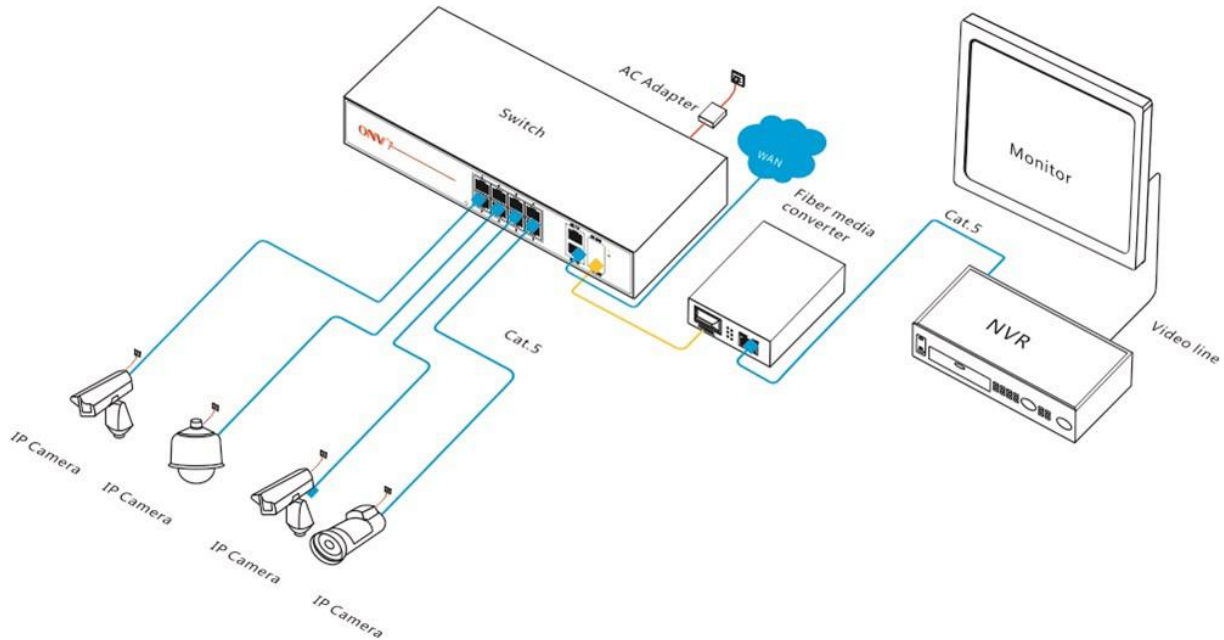
Humidity	
Dimension (L*W*H)	270*181*44.5mm
Net /Gross Weight	<1.2kg / <1.7kg
Installation	Desktop, Wall-mounted, 19 inch 1U cabinet
<b>Certification &amp; Warranty</b>	
Lightning protection / protection level	Lightning protection: 4KV 8/20us, Protection level: IP30
Warranty	3 years, lifelong maintenance.

## DIMENSION



- A. 8\*10/100M RJ45 ports    B. Power indicator  
 C. Gigabit (TP/SFP) combo ports  
 D. Power input port AC100-240V,50/60Hz

## APPLICATION



## ORDERING INFORMATION

Model	Description	Built-in Power Supply
ONV31108FB	Unmanaged Ethernet fiber switch with 8*10/100M RJ45 ports and 2*10/100/1000M uplink RJ45 ports and 2*1000M uplink SFP ports (combo port). it can support 1U/19 inch rack installation.	30W

**Note:** Ethernet switch does not match the SFP optical module.

## PACKING LIST

PACKING LIST	CONTENT	QTY	UNIT
	10-port gigabit uplink Ethernet switch	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

## OPTICAL MODULE INFORMATION

Product	Model	Description	Unit
155M Optical module	ONV-5315-114	SFP optical module, 155M, single-mode dual fiber 1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	ONV-1313-20	SFP optical module, 155M, single-mode single fiber 1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	ONV-1315-20	SFP optical module, 155M, single-mode single fiber, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
1.25G Optical module	ONV-2630	SFP optical module, 1.25G, multi mode dual fiber 850nm, transmission distance: 550m, LC interface, support DDM function, support hot plug and pull.	PC
	ONV-2632	SFP optical module, 1.25G, single-mode dual fiber 1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC

	ONV-2612-T	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	ONV-2613-R	SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	2612-T-G	Industrial SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	2613-R-G	Industrial SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	ONV-2612-T-S C	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC
	ONV-2613-R-S C	SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC
Power Module	ONV-2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC

## CONTACT US

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