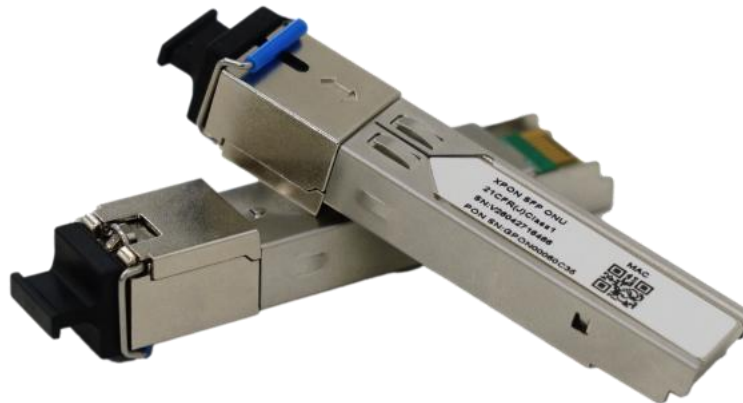




V2801F-R

1*XPON+1*GE(SFP) SFP ONT

Key Features:



XPON Dual Mode
Auto EPON/GPON



Mini Size
Light Weight



Easy to Install
Web O&M



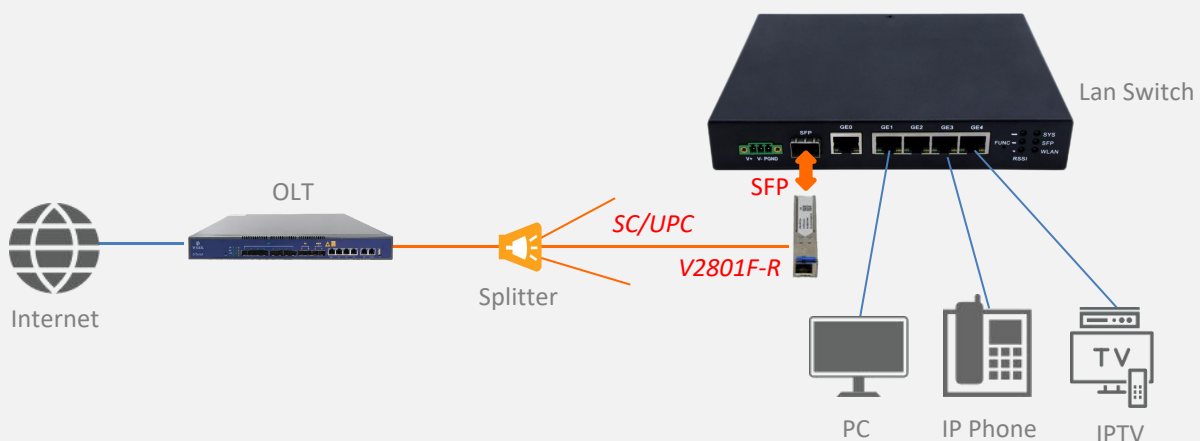
Wide Working
Temperature

Introduction:

V2801F-R is VSOL's routing-enhanced SFP ONT upgraded from V2801F. It inherits compact SFP Stick design and XPON dual-mode, with improved environmental adaptability, smaller size and higher network stability.

Compliant with ITU-T G.984.x & IEEE 802.3ah, this GPON/EPON dual-mode module works with most OLTs. Plug-and-play via standard SFP slot on switches, routers and NVRs, it combines fiber access and routing gateway to simplify deployment and reduce costs.

Application Chart:



○ Hardware Parameter

Dimension	11.2mm×64.9mm×13.8mm(H×W×D)
Net weight	35g
Operating condition	Temperature: -30℃~60℃ Humidity: 10%~90% (non-condensing)
Storing condition	Temperature: -30℃~60℃ Humidity: 10%~90% (non-condensing)
Power supply	DC3.3V
Power consumption	≤4W

○ Interface Parameter

PON interface	• 1 SC/UPC connector, PX20+ and Class B+ • Receiving sensitivity: ≤-28dBm • Transmitting optical power: 0~+4dBm • Transmission distance: 20KM
Wavelength	Tx-1310nm, Rx-1490nm
Optical interface	1xGE Ethernet interfaces, SFP connector

○ Function Data

Satisfactory standard	• Meet IEEE802.3ah standard • Meet ITU-T G.984.x • Meet China's CTC3.0 standards
SFU/ONU	• Bridging mode • Well connect with mainstream OLT
L2	• 802.1D&802.1ad bridging • 802.1p CoS
L3	• IPv4/IPv6 • Forwarding PPPoE package
Multicast	• Forwarding IGMPv2/v3, MLDv1/v2 package

Pin Description

PIN	Name	Description	Notes
1	VeeT	Transmitter Ground	1
2	Tx-Fault	Transmitter Fault Indication, Normal "0", Fault: Logic "1" output, LVTTTL	2
3	Tx-Disable	TX Disable; turns off Tx laser	3
4	Mod-Def(2)	SDA I2C Data line	2
5	Mod-Def(1)	SCL I2C Clock line	2
6	Mod-Def(0)	Module Absent, connected to VeeR	2
7	Rate Select	For Dying Gasp detect, input low active	
8	LOS	Loss of Signal	2
9	VeeR	Receiver Ground	1
10	VeeR	Receiver Ground	1

PIN	Name	Description	Notes
11	VeeR	Receiver Ground	1
12	RD-	Inv. Received Data Output	
13	RD+	Received Data Output	
14	VeeR	Receiver Ground	1
15	VccR	Receiver Power	1
16	VccT	Transmitter Power	
17	VeeT	Transmitter Ground	1
18	TD+	Transmit Data In	
19	TD-	Inv. Transmit Data In	
20	VeeT	Transmitter Ground	1

Notes:

1. Module circuit ground is isolated from module chassis ground within the module.
1. The pins shall be pulled up with 4.7K-10KΩ to a voltage between 3.13V and 3.47V on host board.
1. The pin is pulled up to VccT with a 4.7K-10KΩ resistor in the module.

Product Name	Product Description	Accessories
V2801F-R	1GE(SFP)	NA