

# MINI OLT GPON SUPOLT-1G1

1 PORT



## BRIEF

GPON OLT FD1601S-B1 COMPLETELY MEET RELATIVE STANDARD OF ITU G.984.X AND FSAN, THE DEVICE WITH 1 USB INTERFACE, 2 UPLINK ETHERNET PORTS AND 1 OPTIONAL PORT (XGPON/10 GIGABIT UPLINK PORT) AND 1 GPON PORT. EACH GPON PORT SUPPORTS THE SPLITTING RATIO OF 1:128, THE GPON SYSTEM SUPPORTS UP TO 128 TERMINAL CONNECTIONS.

## TECHNICAL SPECIFICATIONS

### • GPON FUNCTION

ITU-T G.984/G.988 STANDARD  
SUPPORT OMCI PROTOCOL  
T-CONT DBA  
GEMPORT TRAFFIC  
ONU AUTO DISCOVER  
RANGING FUNCTION  
DOWNSTREAM DATA ENCRYPTED

### • LAYER 2 SWITCHING FUNCTION

ACCESS/TRUNK/HYBRID L2 ACCESS  
MODE  
SUPPORT 64K MAC ADDRESS  
SUPPORT 4094 VLANS  
VLAN FILTER FUNCTION, VLAN  
TRANSFORM  
L2 PORT MIRROR  
MAC ADDRESS LEARNING/AGING

### • OTHER

DISPLAY SCREEN CAN SHOW THE IP  
ADDRESS, THE NUMBER OF ONU  
TERMINALS, ETC

### • MULTICAST FUNCTION

IGMP SNOOPING  
IGMP V1/V2/V3  
MULTICAST VLAN  
TRANSLATION

### • MANAGEMENT FUNCTION

CLI/WEB/TELNET/SSH/MQTT  
PERFORMANCE  
MANAGEMENT  
ALARM MANAGEMENT  
SECURITY MANAGEMENT  
WIFI ACCESS, DIRECT MOBILE  
PHONE WIFI LOGIN DEVICE  
MANAGEMENT

### • MAINTENANCE FUNCTION

DEVICE LOG  
DEVICE UPGRADE  
FAULT DIAGNOSE FUNCTION  
CONDITION MONITORING  
FUNCTION

# MINI OLT GPON

1 PORT

## SUPREME



### TECHNICAL SPECIFICATIONS

#### Mechanics

Dimensions	440mm(L)*276mm(W)*44mm(H)
Weight	4.50Kg

#### Hardware

Uplink Port	2 10/100/1000M auto-negotiation Ethernet ports		
Optional port	XGPON port / 10 Gigabit uplink port		
PON Port	Quantity	1	
	Physical interface	SFP slot	
	Interface type	GPON: ITU-TG.984.2 Class B+/Class C+	
	Max splitting ratio	GPON: 1:128	
Management Port	1 CONSOLE local management port		
USB Port	1 USB interface (It's used to backup configuration, upgrade program, and record log information)		
PON Port attribute	Transmission distance	20KM	
	Port rate	GPON: Downstream: 2.5Gbps	Upstream: 1.25Gbps
	Wavelength	Forwarding: 1490nm	Receiving: 1310nm
	Interface type	SC/UPC	
	Fiber type	9/125µm SMF (Single Mode Fiber)	
	Light transmission power	Class B+ +1.5 ~ +5dBm	Class C+ +3 ~ +7dBm
	Receiving sensitivity	Class B+ : -28dBm	Class C+ : -30dBm
	Saturation power	Class B+ -8dBm	Class C+ -12dBm
Backplane Bandwidth	11.5G (Optional port is XGPON port) 27.75G (Optional port is 10 Gigabit uplink port)		

#### Power supply

AC	90V ~ 240V, 47~63Hz
DC	External adapter mode 12V/2A

#### Environment

Working temperature	-15 ~ 50°C
Storage temperature	-40 ~ 85°C
Ambient humidity	5 ~ 90% (Non-condensing)