

Specifications

Input/Output Interfaces

Connectors	RF DS:	1x "F" Conn.
	10GbE:	2x SFP (For Optical Plug-In)
	Standard:	Ethernet

Connectors	RF US:	4x "F" Conn.
QoS Flow:		4K

Downstream

Channel Frequency Range	
DOCSIS 3.1:	108/258~1218 MHz
DOCSIS 3.0:	54/87/108~1003 MHz
Working Channel	
DOCSIS 3.1:	6 OFDM
DOCSIS 3.0:	64 (DOCSIS 64, NC 32, BC 64)
Channel Width	
DOCSIS 3.1:	24~192 MHz
DOCSIS 3.0:	6/ 8 MHz
Modulation Mode	
DOCSIS 3.1:	OFDM (16/ 64/ 128/ 256/ 512/ 1024/ 2048/ 4096 QAM)
DOCSIS 3.0:	64/256/1024 QAM
Reception Level Range	
DOCSIS 3.1:	/
DOCSIS 3.0:	/
Max QAM Output Level (6 MHz)	38 dBmV @ 64 channels 42 dBmV @ 32 channels 45 dBmV @ 16 channels 49 dBmV @ 8 channels 52 dBmV @ 4 channels 56 dBmV @ 2 channels 60 dBmV @ 1 channel

Upstream

	5~85/204 MHz
	5~42/65/85 MHz
	2 OFDMA
	12 (DOCSIS)
	6.4~96 MHz
	1.6/ 3.2/ 6.4 MHz
	OFDMA (BPSK, QPSK, 16/ 32 /64 /128/ 256 /512/ 1024/ 2048 QAM)
	QPSK, 16/ 32/ 64/ 256 QAM
	-4 dBmV to 10 dBmV
	-7+23 dBmV @ 6.4 MHz; -10+20 dBmV @ 3.2 MHz; -13+17 dBmV @ 1.6 MHz

System Functions

IP Stack:	Support IPv4 and IPv6 dual-stack
DHCP:	Support DHCP relay/snooping Support DHCP bundle Support DHCP lease query Support according to Option 60 to identify equipment type Support insert Remote-ID, Interface-ID, CMTS capabilities and CM MAC
DHCPv6:	Support DHCPv6 relay/ snooping Support DHCPv6 bundle Support DHCPv6 lease query Support DHCPv6-PD Support according to Option 60 to identify equipment type Support insert Remote-ID, Interface-ID, CMTS capabilities and CM MAC
VLAN & L2VPN:	Support 802.1ad/ 802.1q Support service flow-based VLAN addition or deletion Support VLAN addition according to device type Support the L2VPN
QoS:	Static service flow/dynamic service flow/service class DOCSIS 3.0 USCB scheduling PowerBoost
MAC Domain Management:	Support MDD & MDF enable and disable Support MTC & MRC enable and disable Support UDC enable and disable Support upstream automatic frequency hopping Support piggyback, shared-secret, channel bonding
Multicast:	Support multicast authentication Support IGMP V2/ V3 Snooping Support MLD V1/ V2
Load balance:	Support RLBG/ GLBG Support load balance priority

Alarms/Monitoring/Control

Local Monitoring:	1x Power A (Power Supply A) 1x Power B (Power Supply B) 10x GbE 2x SFP 1x PWR 1x RUN 1x CABLE 1x ALM 1x Reset
Control:	GUI-based menu via Web Browser (1x RJ45 connector; 1GbE)
Console:	1x RJ45 Front-Panel Connector

General

Electrical	
Power:	90V-264VAC, 50/60 Hz (dual redundancy power supplies)
Power Consumption:	61 W
Mechanical	
Operating Temperature:	32 to 104 °F (0 to 40 °C)
Operating Humidity:	10% to 90% (Non-condensing)
Dimensions (W x D x H):	19"x 11.8" x 1.75" (480mm x 300mm x 44mm)
Weight:	12 lbs (5.5kg)