

Model: NCMO-0G10000

Features

- Single Family Unit (SFU) for FTTH applications
- ITU G.984.x GPON port with 1.244Gbps/2.488Gbps link speed
- 10/100/1000 BASE-T Ethernet RJ45 Port
- SMPS 90~264VAC input, 12VDC output wall adapter
- Low Working Temperature SoC Chipset
- Full compliant with ITU-T G.984.X GPON Standard



Specifications

ELECTRICAL SPECIFICATIONS			
ITEM	VALUE	UNIT	STANDARD
ONT Operation Voltage	12 (± 15%)	VDC	
Power Adapter Input Voltage	100-240 (50/60 Hz)	VAC	
Power Adapter Output Voltage	12	VDC	
Power Adapter Output Current	0.5	A	

GPON LINK GENERAL SPECIFICATIONS			
ITEM	VALUE	UNIT	STANDARD
Optical Connector	SC/UPC	-	
Fiber Type	Single-Mode	-	
GPON Power Level TX	0.5 – 5.0 (1310 nm)	dBm	ITU-T G.984.2 AMD-1 Class B+
GPON Minimum Sensitivity RX	-27 (1490 nm)	dBm	
GPON Link Speed	1.244 (UP) / 2.488 (DOWN)	Gbps	ITU-T G.984.X
Transmitter LASER Type	DFB 1310	nm	
Turn off/on time	12.8	ns	

LAN GENERAL SPECIFICATIONS			
ITEM	VALUE	UNIT	STANDARD
LAN Connections	1	RJ-45	IEEE 802.3 Ethernet
Ethernet Speed	10/100/1000	Mbps	IEEE 802.3 Ethernet
GE Ports	LAN1	-	IEEE 802.3 Ethernet

Unless otherwise noted, the above specifications reflect typical device performance at stated reference levels in the recommended operating configuration(s). Specifications are subject to change without notice.

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Standards and Protocols	
OAM, Security, Application	VALUE
Management	Support OMCI, CLI
Image	Support firmware upgrade via remote server Hold a working image & an alternative image for image rollback
QoS	Support classify packets based on DSCP, IP, protocol Support classify packets based on 5 classification combination Support SP, WRR, SP+WRR scheduler
Restore Default	Press a hidden button for more than 10s to restore factory default Use GUI, CLI, Telnet method to restore factory default
Security	Support Access Control List Support IP, MAC, port, URL filtering Support ddos firewall Support DMZ

Standards and Protocols	
Layer 2	VALUE
MAC	Support the Ethernet data frame base on port, SA/DA Support 2000-byte MTU Compliant with IEEE 802.3as
VLAN	Support SSID to VLAN mapping Support 802.1p, 802.1d, 802.1q based QoS Support forwarding traffic class intro GEMPORT & TCONT Support ingress/egress 802.1p tag based QoS on each port Support double tagging, compliant with IEEE 802.1ad
Bridging	Support 802.1d, 802.1q based bridging

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