



Optical Network Terminal

AR-4460



1 General

1 Overview

Integrated with powerful interoperability and low cost, Artic AR-4460 WIFI6 ONT provide triple-play services to the subscribers in FTTx application.

Equipped with 1.25&2.5Gbps Downstream and 1.25Gbps Upstream XPON interface compliant with ITU-T G.984 standard, AR-4460-PRO ONT support the comprehensive triple-play services, including video and high-speed internet access service.

2 Hardware Specification

Parameter Name		Hardware Parameter	
Optical Interface	Optical Type	SC/PC	
	PON	Standard	ITU-T G.984 /ITU-T G.988 standard
		GPON Upstream 1.244Gbps, Downstream 2.488Gbps	
		Wavelength	Tx 1310nm, Rx 1490nm
		Sensitivity	Tx Range:0.5-5dBm
			Rx: >-28dBm
Overload	>-8dBm		
Interface Type	Ethernet Port	4*10/100/1000Base-T, Auto adaptive, Full/Half Duplex, RJ45 connector	
	WIFI	WiFi, 5dBi external antennas, 3000Mbps, MIMO 4x4 2.4G, IEEE 802.11b/g/n/ax, 574 Mbps 5G, IEEE 802.11ac/ax, 2402Mbps	
	USB	1*USB 3.0	
	Dimension	206mm(L)*145mm(W)*32mm(H)	
Weight		About 360g	
Power Supply		220V AC external power adapter, 12V/2A	
Power Consumption		<15W	
Working Environment		Temperature	-25°C to +55° C
		Humidity	5% to 95% (no condensing)

① General

3 Software Features

Parameter Name	Parameter Name
Internet Connection	Support Bridge, Route, Route and Bridge mixed mode Support PPPoE, DHCP, Static IP Support multiple WAN interface
LAN	Support Port rate limiting Support Loop detection IP ToS/DSCP to 802.1p mapping Support MDI/MDIX
VLAN	Support VLAN tag mode Support VLAN transparent mode Support VLAN trunk mode Support VLAN 1:1 translation mode Support VLAN QinQ mode
Multicast	Support IGMPv1/v2/v3 Support IGMP Proxy and MLD Proxy Support IGMP Snooping and MLD Snooping
QoS	Support 4 queues Support SP and WRR Support 802.1P Support DSCP
L3	Support IPv4, IPv6 and IPv4/IPv6 dual stack Support DHCP/PPPOE/Statics Support Static route Support NAT Support DHCP Server Support DMZ Support Virtual Server Support UPnP Support IGMP
Security	Support Firewall Support Mac filter Support ACL Support URL filter

① General

3 Software Features

Parameter Name	Parameter Name
WIFI	Support 8 SSID
	Mixed mode
	Support No-auth, WEP, WPA-PSK and WPA2-PSK functionwith AES, TKIP encryption
	Support EasyMesh protocol
OAM/OMCI	Support OAM/OMCI (the embedded operations channel)
	Defined by IEEE802.3ah, ITU-T G.984, and other international standards
	Support TR069
	Provisioning all kinds of services including Ethernet, WLANandVoIP, etc. by subset of TR-098 and TR-104
	Alarming and AVC report, performance monitoring
	Remotely software image download over OMCI, as well as activation and rebooting
	Hold two software sets with software image integrity checkingand automatic rollback

4 Ordering Information

Model	Product Description
AR-4460	XPON ONT, 4GE, WIFI6, plastic shell, external power adapter