



Fiber Access ONT

Fiber ONT product portfolio

	10G fiber	Gigabit fiber
IAD	 AX7501-B Series AX6000 10G Fiber IAD with SFP+	 PX5301-T0 Dual-Band Wireless AX3000 2.5G PON VoIP IAD
Managed bridge	 PM7300-T0 XGS-PON SFU with 10GbE LAN	 PM5100-T0 GPON SFU with 2.5GbE LAN  PM3100-T0 GPON SFU with 1-port GbE LAN

Fiber access ONT key features

Category	Model	Key features
10G fiber ONT	 AX7501-B Series 10G WiFi 6 MPro MESH	• Integrated internet services via symmetric 10G fiber • WiFi 6 (11ax) 4x4+4x4 for superior performance and coverage • SFP+ supports passive and active fiber • Zyxel MPro Mesh® Solutions (compliant with EasyMesh standards) • Zyxel Execution Environment (ZyEE) for Linux Containers • Remote management via TR-069 and OMCI • Zyxel-developed OPAL for superior flexibility and faster time-to-market
	 PM7300-T0 10G	• Premium internet services via symmetric XGS-PON • Compact design for flexible deployment • Remote management via TR-069 and OMCI • Zyxel-developed OPAL for superior flexibility and faster time to market • Comprehensive QoS for network efficiency
GPON ONT	 PX5301-T0 WiFi 6	• Gigabit data access via passive fiber • WiFi 6 (11ax) 2x2+2x2 for superior performance and coverage • 2.5G LAN port for optimized bandwidth utilization • Compact design for flexible deployment • Remote management via TR-069 and OMCI • Zyxel-developed OPAL for superior flexibility and faster time-to-market • Comprehensive QoS for network efficiency
	 PM5100-T0	• Gigabit data access via passive fiber • 2.5G LAN port for optimized bandwidth utilization • Compact design for flexible deployment • Remote management via TR-069 and OMCI • Zyxel-developed OPAL for superior flexibility and faster time-to-market • Comprehensive QoS for network efficiency
	 PM3100-T0	• Gigabit data access via passive fiber • Compact design for flexible deployment • Remote management via TR-069 and OMCI • Zyxel-developed OPAL for superior flexibility and faster time-to-market • Comprehensive QoS for network efficiency

Fiber access ONT feature matrix

Model	10G fiber		GPON ONT		
	AX7501-B Series	PM7300-T0	PX5301-T0	PM5100-T0	PM3100-T0
Product name	Dual-Band Wireless AX6000 10G Fiber IAD with SFP+	XGS-PON SFU with 10GbE LAN	Dual-Band Wireless AX3000 2.5G PON VoIP IAD	2.5G PON SFU with 2.5GbE LAN	GPON SFU with 1-port GbE LAN
WAN interface	SFP+ for fiber and Ethernet	10G (SC/APC)	GPON SC/APC	GPON SC/APC	GPON SC/APC
Ethernet port (10/100/1000)	5 (1 for 10G LAN)	1 (10G LAN port)	4 (1 x 2.5GbE + 3 x 1GbE LAN)	1 (2.5GbE LAN)	1 (GbE LAN)
POTS FXS port	2	-	1	-	-
USB port	1 (USB 3.0)	-	1	-	-
PON					
Standard compliance	ITU-T G.9807.1/G.987.x/G.988	ITU-T G.9807.1/G.987.x/G.988	ITU-T G.984.x/G.988	ITU-T G.984.x/G.988	ITU-T G.984.x/G.988
PMD class (ITU G.984.2)	Supported by using an SFP+ for fiber	N1, N2, E1, E2	B+	B+	B+
Speed (Gbps) (DS/US)	9.95328/9.95328	9.95328/9.95328	2.488/1.244	2.488/1.244	2.488/1.244
T-CONTs/GEM ports	40/256	32/256	32/256	32/256	32/256
Priority queue per T-CONT	8	8	8	8	8
Dynamic Bandwidth Allocation (DBA)	Yes	Yes	Yes	Yes	Yes
Forward Error Correction (FEC) DS/US	Yes	Yes	Yes	Yes	Yes
Advanced Encryption Standard (AES) DS	Yes	Yes	Yes	Yes	Yes
Voice					
SIP v2 (RFC 3261)	Yes	-	Yes	-	-
SDP (RFC 2327)	Yes	-	Yes	-	-
RTP (RFC 1889)	Yes	-	Yes	-	-
RTCP (RFC 1890)	Yes	-	Yes	-	-
CODEC: G.711a/u, G.726-32, G.729	Yes	-	Yes	-	-
Wireless					
WLAN	2.4 GHz 4x4 ax + 5 GHz 4x4 ax	-	2.4 GHz 2x2 ax + 5 GHz 2x2 ax	-	-
Firewall					
Stateful packet inspection	Yes	-	Yes	-	-
Denial of service	Yes	-	Yes	-	-
VPN					
IPSec (pass-thru)	Yes	-	Yes	-	-
Network					
IEEE 802.1D transparent bridge	Yes	Yes	Yes	Yes	Yes
IGMP v1/v2/v3, fast leave/snooping	Yes	Yes	Yes	Yes	Yes
IGMP proxy	Yes	-	Yes	-	-
MLD v1/v2, fast leave/snooping	Yes	Yes	Yes	Yes	Yes
MLD proxy	Yes	-	Yes	-	-
MAC filtering	Yes	-	Yes	-	-
PPPoE	Yes	-	Yes	-	-
DHCP client/server/relay	Yes	-	Yes	-	-
DHCP server	Yes	-	Yes	-	-
Multi-to-multi NAT	Yes	-	Yes	-	-
Dynamic DNS (DDNS)	Yes	-	Yes	-	-
Management					
Web configurator	Yes	Yes	Yes	Yes	Yes
TR-069/TR-181 i2	Yes	Yes	Yes	Yes	Yes
Remote firmware upgrade	Yes	Yes	Yes	Yes	Yes
SNMP	Yes	-	Yes	-	-
Physical specifications					
Dimensions (WxDxH)(mm/in.)	250 x 187 x 32/9.84 x 7.36 x 1.26	130 x 120 x 32/5.11 x 4.72 x 1.25	171.4 x 127.4 x 42/6.75 x 5.02 x 1.65	130 x 120 x 32/5.11 x 4.72 x 1.25	130 x 120 x 32/5.11 x 4.72 x 1.25
Weight (g/lb.)	473/1.04	380/0.84	292/0.64	380/0.84	380/0.84

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