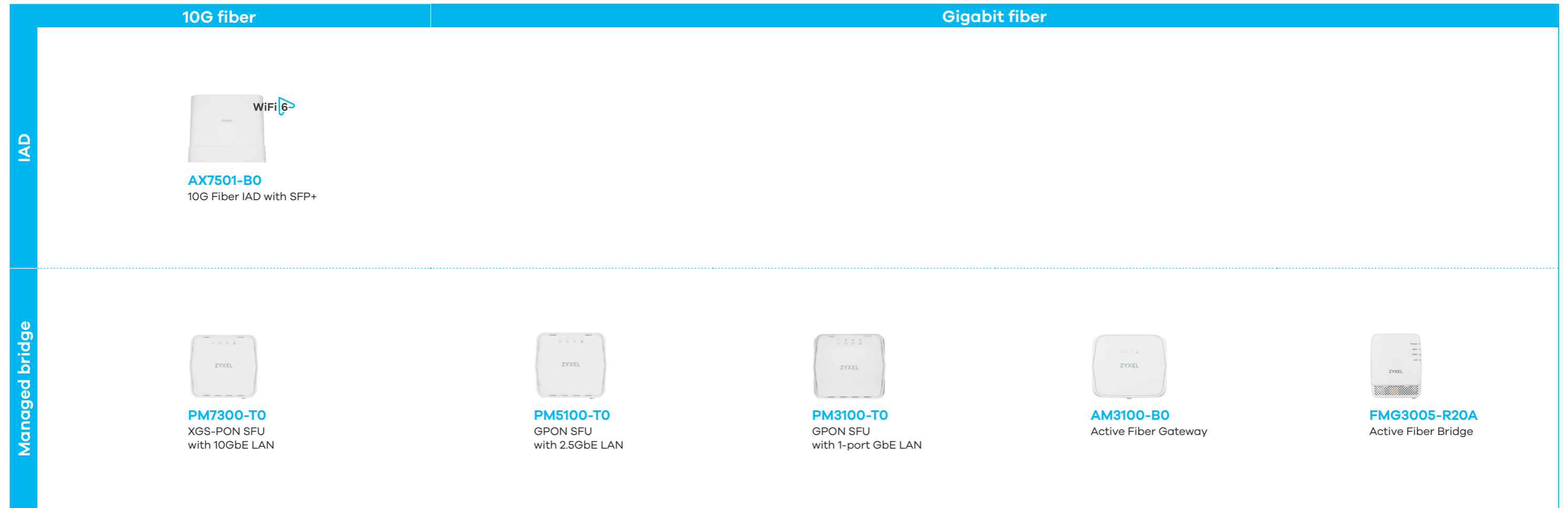











Fiber Access ONT

Fiber ONT product portfolio



Fiber ONT key features

Category	Model	Key features
10G fiber ONT	AX7501-B0  10G WiFi 6 	<ul style="list-style-type: none"> • Premium internet services via 10G WAN • WiFi 6 (11ax) 4x4+4x4 for superior performance and coverage • SFP+ supports passive, active fiber and Ethernet • 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 	<ul style="list-style-type: none"> • Integrated internet services via symmetric 10G fiber • Effortless integration into multiple scenarios • 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	PM5100-T0 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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

Category	Model	Key features
Gigabit active fiber ONT	AM3100-B0 	<ul style="list-style-type: none"> • Compact size and simple bridge design for easy installation and deployment • Remote management via TR-069 and TR-098 • Zyxel-developed OPAL for superior flexibility and faster time to market • Comprehensive QoS for network efficiency
	FMG3005-R20A 	<ul style="list-style-type: none"> • Compact size and simple bridge design for easy installation and deployment • Remote management via TR-069 and TR-098 • Comprehensive QoS for network efficiency

Fiber ONT feature matrix

Model	10G fiber		GPON ONT	
	AX7501-B0	PM7300-T0	PM5100-T0	PM3100-T0
Product name	Dual-Band Wireless AX6000 10G Fiber IAD with SFP+	XGS-PON SFU with 10GbE LAN	GPON 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
Ethernet port (10/100/1000)	5 (1 for 10G LAN)	10G LAN port x 1	2.5G LAN port x 1	1G LAN port x 1
POTS FXS port	2	-	-	-
PSTN lifeline port	-	-	-	-
USB port	1 (USB 3.0)	-	-	-
UPS	-	-	-	-
CATV	-	-	-	-
DECT station	-	-	-	-
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
PMD class (ITU G.984.2)	Supported by using an SFP+ for fiber	N1, N2, E1, E2	B+	B+
Speed (Gbps) (DS/US)	9.95328/9.95328	9.95328/9.95328	2.488/1.244	2.488/1.244
T-CONTs/GEM ports	40/256	32/256	32/256	32/256
Priority queue per T-CONT	8	8	8	8
Dynamic Bandwidth Allocation (DBA)	Yes	Yes	Yes	Yes
Forward Error Correction (FEC) DS/US	Yes	Yes	Yes	Yes
Advanced Encryption Standard (AES) DS	Yes	Yes	Yes	Yes
Voice				
SIP v2 (RFC 3261)	Yes	-	-	-
SDP (RFC 2327)	Yes	-	-	-
RTP (RFC 1889)	Yes	-	-	-
RTCP (RFC 1890)	Yes	-	-	-
CODEC: G.711a/u, G.726-32, G.729	Yes	-	-	-
Wireless				
WLAN	2.4 GHz 4x4 ax + 5 GHz 4x4 ax	-	-	-
Firewall				
Stateful packet inspection	Yes	-	-	-
Denial of service	Yes	-	-	-
VPN				
IPSec (pass-thru)	Yes	-	-	-
Network				
IEEE 802.1D transparent bridge	Yes	Yes	Yes	Yes
IGMP v1/v2/v3, fast leave/snooping	Yes	Yes	Yes	Yes
IGMP proxy	Yes	-	-	-
MLD v1/v2, fast leave/snooping	Yes	Yes	Yes	Yes
MLD proxy	Yes	-	-	-
MAC filtering	Yes	-	-	-
PPPoE	Yes	-	-	-
DHCP client/server/relay	Yes	-	-	-
PPPoA	Yes	-	-	-
DHCP server	Yes	-	-	-
Multi-to-multi NAT	Yes	-	-	-
Dynamic DNS (DDNS)	Yes	-	-	-
Management				
Web configurator	Yes	Yes	Yes	Yes
TR-069/TR-181 i2	Yes	Yes	Yes	Yes
Remote firmware upgrade	Yes	Yes	Yes	Yes
SNMP	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	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	380/0.84	380/0.84

Fiber ONT feature matrix

Model	Gigabit active fiber ONT	
	AM3100-B0	FMG3005-R20A
Product name	Gigabit Active Fiber Gateway	Gigabit Active Fiber Bridge
WAN interface	Active Ethernet (SC/APC)	Active Ethernet (SC/UPC)
Ethernet port (10/100/1000)	4	1
POTS FXS port	-	-
PSTN lifeline port	-	-
USB port	-	-
UPS	-	-
CATV	-	-
DECT station	-	-
PON		
Standard compliance	-	-
PMD class (ITU G.984.2)	-	-
Speed (Gbps) (DS/US)	-	-
T-CONTs/GEM ports	-	-
Priority queue per T-CONT	-	-
Dynamic Bandwidth Allocation (DBA)	-	-
Forward Error Correction (FEC) DS/US	-	-
Advanced Encryption Standard (AES) DS	-	-
Voice		
SIP v2 (RFC 3261)	-	-
SDP (RFC 2327)	-	-
RTP (RFC 1889)	-	-
RTCP (RFC 1890)	-	-
CODEC: G.711a/u, G.726-32, G.729	-	-
Wireless		
WLAN	-	-
Firewall		
Stateful packet inspection	Yes	-
Denial of service	Yes	-
VPN		
IPSec (pass-thru)	Yes	-
Network		
IEEE 802.1D transparent bridge	Yes	Yes
IGMP v1/v2/v3, fast leave/snooping	Yes	-
IGMP proxy	Yes	-
MLD v1/v2, fast leave/snooping	Yes	-
MLD proxy	Yes	-
MAC filtering	Yes	-
PPPoE	Yes	-
DHCP client/server/relay	Yes	Yes (DHCP client)
PPPoA	-	-
DHCP server	Yes	-
Multi-to-multi NAT	Yes	-
Dynamic DNS (DDNS)	Yes	-
Management		
Web configurator	Yes	Yes
TR-069/TR-181 i2	Yes	TR-069/TR-098
Remote firmware upgrade	Yes	Yes
SNMP	Yes	-
Physical specifications		
Dimensions (WxDxH)(mm/in.)	153.6 x 128.2 x 44.3/6.1 x 5.1 x 1.74	109.4 x 83.6 x 36.5/4.3 x 3.3 x 1.4
Weight (g/lb.)	341/0.75	113/0.25

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