



Fiber Access ONT

Fiber ONT product portfolio

	XGS-PON	GPON access	
VoIP Gateway	 PE5301-00 Dual-Band Wireless BE7200	 PE3301-00 Dual-Band Wireless BE7200	 PE3101-00 Dual-Band Wireless BE3600
		 PX5301-T0 Dual-Band Wireless AX3000	
Managed bridge	 PM7500-00 SFU with 10GbE LAN	 PM5100-T1 SFU with 2.5GbE LAN	 PM5100-T0 SFU with 2.5GbE LAN
		 PM3100-T0 SFU with 1-port GbE LAN	

Fiber access ONT key features

Category	Model	Key features
10G fiber ONT	 PE5301-00	• Integrated internet services via symmetric XGS-PON • Wi-Fi 7 (11be) 4x4+4x4 with Multi-Link Operation (MLO) for superior performance and coverage • Zyxel MPro Mesh® Solutions (compliant with EasyMesh)* • Remote management via TR-369/TR-069 and TR-181 i2 data model • Zyxel OPAL for superior flexibility and faster time to market • Multiple SSIDs for various service deployment scenarios • Comprehensive QoS for network efficiency • Zyxel One app (iOS and Android)**
	 PM7500-00	• Integrated internet services via symmetric XGS-PON • 10GbE LAN port for premium service • Compact design for flexible deployment • Remote management via TR-069 and OMCI • Zyxel OPAL for superior flexibility and faster time to market • Comprehensive QoS for network efficiency

* Please refer to the feature matrix in P.5-7 for detailed compatibility and availability.
** Wi-Fi 7 models are compatible with the Zyxel One app (iOS and Android). Please contact us for detailed availability.

Fiber access ONT key features

Category	Model	Key features
GPON ONT	 PE3301-00 	• High-speed broadband access via passive fiber • Wi-Fi 7 (11be) 4x4+4x4 with Multi-Link Operation (MLO) for superior performance and coverage • Zyxel MPro Mesh® Solutions (compliant with EasyMesh)* • Remote management via TR-369/TR-069 and TR-181 i2 data model • Zyxel OPAL for superior flexibility and faster time to market • Multiple SSIDs for various service deployment scenarios • Comprehensive QoS for network efficiency • Zyxel One app (iOS and Android)**
	 PE3101-00 	• High-speed broadband access via passive fiber • Wi-Fi 7 (11be) 2x2+2x2 with Multi-Link Operation (MLO) for superior performance and coverage • Zyxel MPro Mesh® Solutions (compliant with EasyMesh)* • Remote management via TR-369/TR-069 and TR-181 i2 data model • Zyxel OPAL for superior flexibility and faster time to market • Multiple SSIDs for various service deployment scenarios • Comprehensive QoS for network efficiency • Zyxel One app (iOS and Android)**
	 PX5301-T0 	• High-speed broadband access via passive fiber • Wi-Fi 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-369/TR-069 and TR-181 i2 data model • Zyxel OPAL for superior flexibility and faster time to market • Comprehensive QoS for network efficiency
	 PM5100-T1	• High-speed broadband 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 OPAL for superior flexibility and faster time to market • Comprehensive QoS for network efficiency
	 PM5100-T0	• High-speed broadband 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 OPAL for superior flexibility and faster time to market • Comprehensive QoS for network efficiency
	 PM3100-T0	• High-speed broadband access via passive fiber • Compact design for flexible deployment • Remote management via TR-069 and OMCI • Zyxel OPAL for superior flexibility and faster time to market • Comprehensive QoS for network efficiency

* Please refer to the feature matrix in P.5-7 for detailed compatibility and availability.
** Wi-Fi 7 models are compatible with the Zyxel One app (iOS and Android). Please contact us for detailed availability.

Fiber access ONT feature matrix

Model	10G fiber	
	PE5301-00	PM7500-00
Product name	Dual-Band Wireless BE7200 XGS-PON VoIP Gateway	XGS-PON SFU with 10GbE LAN
WAN interface	10G (SC/APC)	10G (SC/APC)
Ethernet port (10/100/1000)	4 (1 for 10G LAN; 3 for GbE LAN)	1 (10G LAN)
POTS FXS port	1	-
USB port	1 (USB3.0)	-
PON		
Standard compliance	ITU-T G.9807.1/G.987.x/G.988	ITU-T G.9807.1/G.987.x/G.988
PMD class (ITU G.984.2)	B+	B+
Speed (Gbps) (DS/US)	9.95328/9.95328	9.95328/9.95328
T-CONTs/GEM ports	32/256	32/256
Priority queue per T-CONT	8	8
Dynamic Bandwidth Allocation (DBA)	Yes	Yes
Forward Error Correction (FEC) DS/US	Yes	Yes
Advanced Encryption Standard (AES) DS	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 be + 5 GHz 4x4 be	-
Zero-wait DFS	Yes	-
Firewall		
Stateful packet inspection	Yes	-
Denial of service	Yes	-
VPN		
IPSec (passthrough)	Yes	-
Network		
IPv4/IPv6 dual-stack	Yes	Yes
IGMP v1/v2/v3, fast leave/snooping	Yes	Yes
IGMP proxy	Yes	-
MLD v1/v2, fast leave/snooping	Yes	Yes
MLD proxy	Yes	-
MAC filtering	Yes	-
PPPoE	Yes	-
DHCP client/server/relay	Yes	-
NAT	Yes	-
Dynamic DNS (DDNS)	Yes	-
Management		
Web configurator	Yes	Yes
TR-369	Yes	-
TR-069/TR-181 i2	Yes	Yes
Remote firmware upgrade	Yes	Yes
SNMP	Yes	-
Physical specifications		
Dimensions (LxWxH) (mm/in.)	190 x 65 x 200.5/ 7.48 x 2.56 x 7.89	130 x 120 x 32/ 5.11 x 4.72 x 1.25
Weight (g/lb.)	680/1.49	380/0.84

Fiber access ONT feature matrix

Model	GPON ONT					
	PE3301-00	PE3101-00	PX5301-T0	PM5100-T1	PM5100-T0	PM3100-T0
Product name	Dual-Band Wireless BE7200 GPON VoIP Gateway	Dual-Band Wireless BE3600 GPON VoIP Gateway	Dual-Band Wireless AX3000 2.5G PON VoIP IAD	2.5G PON SFU with 2.5GbE LAN	2.5G PON SFU with 2.5GbE LAN	GPON SFU with 1-port GbE LAN
WAN interface	GPON SC/APC	GPON SC/APC	GPON SC/APC	GPON SC/APC	GPON SC/APC	GPON SC/APC
Ethernet port (10/100/1000)	4 (1 x 2.5GbE + 3 x 1GbE LAN)	4 (1 x 2.5GbE + 3 x 1GbE LAN)	4 (1 x 2.5GbE + 3 x 1GbE LAN)	1 (2.5GbE LAN)	1 (2.5GbE LAN)	1 (GbE LAN)
POTS FXS port	2	1	1	-	-	-
USB port	1	1	1	-	-	-
PON						
Standard compliance	ITU-T G.984.x/G.988	ITU-T G.984.x/G.988	ITU-T G.984.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)	B+	B+	B+	B+	B+	B+
Speed (Gbps) (DS/US)	2.488/1.244	2.488/1.244	2.488/1.244	2.488/1.244	2.488/1.244	2.488/1.244
T-CONTs/GEM ports	32/256	32/256	32/256	32/256	32/256	32/256
Priority queue per T-CONT	8	8	8	8	8	8
Dynamic Bandwidth Allocation (DBA)	Yes	Yes	Yes	Yes	Yes	Yes
Forward Error Correction (FEC) DS/US	Yes	Yes	Yes	Yes	Yes	Yes
Advanced Encryption Standard (AES) DS	Yes	Yes	Yes	Yes	Yes	Yes
Voice						
SIP v2 (RFC 3261)	Yes	Yes	Yes	-	-	-
SDP (RFC 2327)	Yes	Yes	Yes	-	-	-
RTP (RFC 1889)	Yes	Yes	Yes	-	-	-
RTCP (RFC 1890)	Yes	Yes	Yes	-	-	-
CODEC: G.711a/u, G.726-32, G.729	Yes	Yes	Yes	-	-	-
Wireless						
WLAN	2.4 GHz 4x4 be + 5 GHz 4x4 be	2.4 GHz 2x2 be + 5 GHz 2x2 be	2.4 GHz 2x2 ax + 5 GHz 2x2 ax	-	-	-
Zero-wait DFS	Yes	Yes	-	-	-	-
Firewall						
Stateful packet inspection	Yes	Yes	Yes	-	-	-
Denial of service	Yes	Yes	Yes	-	-	-
VPN						
IPSec (passthrough)	Yes	Yes	Yes	-	-	-
Network						
IPv4/IPv6 dual-stack	Yes	Yes	Yes	Yes	Yes	Yes
IGMP v1/v2/v3, fast leave/snooping	Yes	Yes	Yes	Yes	Yes	Yes
IGMP proxy	Yes	Yes	Yes	-	-	-
MLD v1/v2, fast leave/snooping	Yes	Yes	Yes	Yes	Yes	Yes
MLD proxy	Yes	Yes	Yes	-	-	-
MAC filtering	Yes	Yes	Yes	-	-	-
PPPoE	Yes	Yes	Yes	-	-	-
DHCP client/server/relay	Yes	Yes	Yes	-	-	-
NAT	Yes	Yes	Yes	-	-	-
Dynamic DNS (DDNS)	Yes	Yes	Yes	-	-	-
Management						
Web configurator	Yes	Yes	Yes	Yes	Yes	Yes
TR-369	Yes	Yes	Yes	-	-	-
TR-069/TR-181 i2	Yes	Yes	Yes	Yes	Yes	Yes
Remote firmware upgrade	Yes	Yes	Yes	Yes	Yes	Yes
SNMP	Yes	Yes	Yes	-	-	-
Physical specifications						
Dimensions (LxWxH) (mm/in.)	190 x 65 x 200.5/ 7.48 x 2.56 x 7.89	170 x 120 x 41/ 6.70 x 4.73 x 1.61	170 x 121x 42/ 6.7 x 4.76 x 1.65	96 x 82 x 31/ 3.78 x 3.23 x 1.22	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.)	658/1.45	Undefined	292/0.64	101/0.22	380/0.84	380/0.84

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