

Next-Generation 10G PON Solution Enhances Multimode ONU Design

PRODUCTS

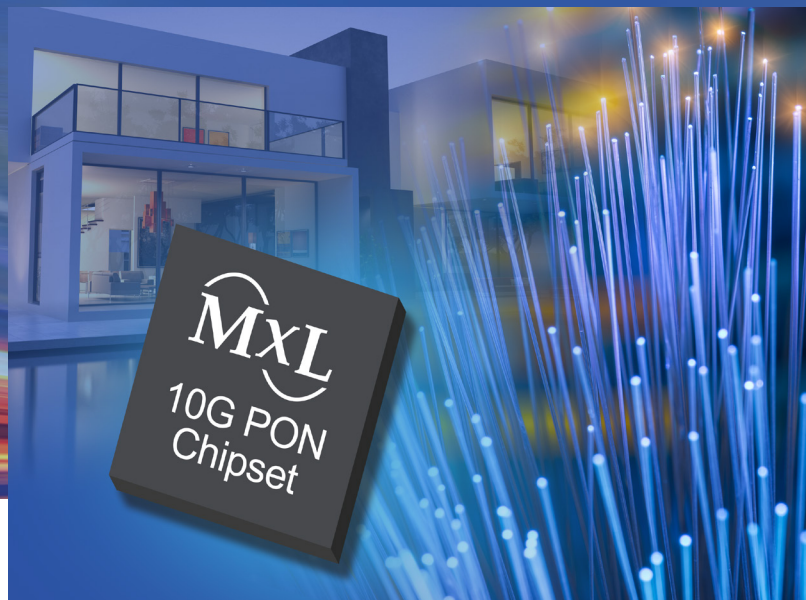
PRX120	10G PON SoC for residential SFU ONU applications
PRX126	10G PON SoC for SFP+ ONU applications
PRX321	10G PON SoC for business SFU ONU applications

FEATURES

- Supports *ITU-T GPON, XG-PON, XGS-PON, NG-PON2* standards
- Supports *IEEE 1588v2/PtP/SyncE/ToD*
- Embedded 1000/2500 Base-T Phy
- 2 × 10G Ethernet Interface (XFI)
- Carrier grade VoIP
- Trusted execution processor and secure boot
- LAN MACsec

APPLICATIONS

- Single family unit (SFU)
- SFP+ Small form-factor pluggable Optical Network Unit (ONU)
- Home gateway unit
- Distribution point unit (DPU) and multi-dwelling unit (MDU)



Flexible 10G PON Multi-Mode Solution for FTTx Deployments

The Maxlinear Broadband Forum BBF.247 certified PRX SoC family provides the path to scale from gigabit to 10G fiber access solutions. MaxLinear fiber system-on-chip products support ITU-T PON environments such as GPON, XG-PON, XGS-PON, NG-PON2, and also active optical Ethernet point-to-point connections. The PRX devices are targeting applications that include fiber to the home (FTTH) optical network unit (ONU) solutions—for example, single family units (SFU), small form-factor pluggable plus (SFP+), home gateway units (HGU), or 5G infrastructure equipment—and fiber to the distribution point (FTTdp) applications.



10G PON Chipset Solution

Product Information

Product	Description	Package
PRX120	10G PON SoC for residential SFU ONU applications	FCFBGA-296
PRX126	10G PON SoC for SFP+ ONU applications	FCFBGA-287
PRX321	10G PON SoC for business SFU ONU applications	FCFBGA-296



Corporate Headquarters:
5966 La Place Court
Suite 100
Carlsbad, CA 92008
Tel.: +1 (760) 692-0711
Fax: +1 (760) 444-8598
www.maxlinear.com

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