



# Use Cases of Zaram XGSPON ONT Stick

## APPLICATION NOTE



10G XGSPON MAC inside

ZARAM XGSPON STICK is a 10-Gigabit-capable Symmetric Passive Optical Network (XGSPON) Stick type ONT in a compact SFP+ package. The XGSPON Stick provides a pluggable XGSPON interface for FTTx and wireless backhaul applications with a compact size and lower power consumptions.

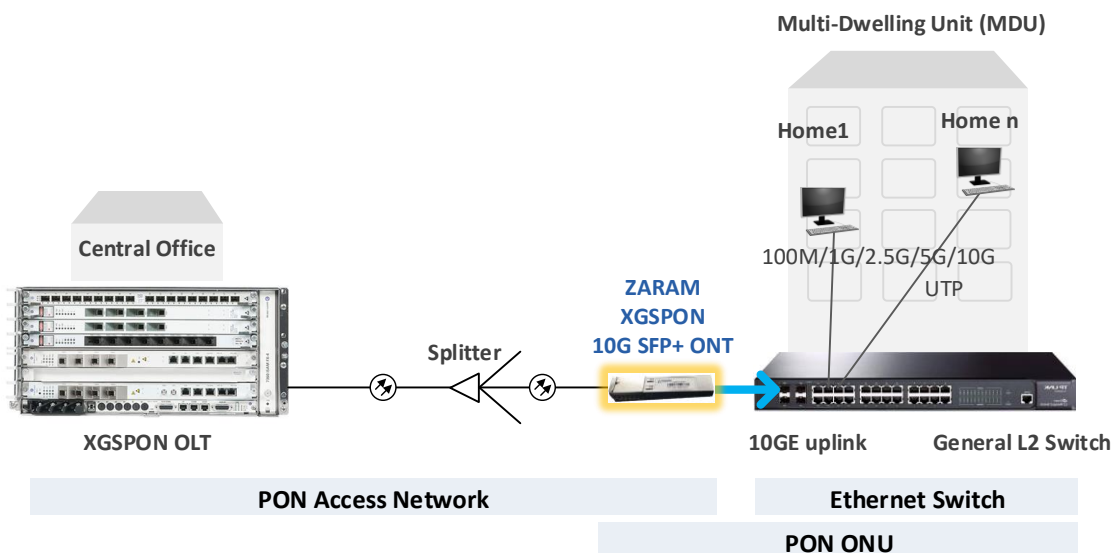
By being plugged into the L2/L3 switch or CPE with standard SFP+ uplink port directly, the XGSPON Stick provides a 9.95Gbps Upstream/downstream data link over a single fiber.

Any standard Ethernet SFP+ switch port can simply convert to a XGSPON ONT port and interconnect to an existing XGSPON network with the insertion of the module. It is built in compliance with ITU-T G.9807.1 specifications, an industry standard which defines XGSPON access networks.

**FTTB + LAN: MDU ONU    5G Small Cell Backhaul    Enterprise CPE Uplink    Enterprise Passive Optical LAN**

### FTTB + LAN: MDU ONU

Enabling to use a general L2 switch in PON network



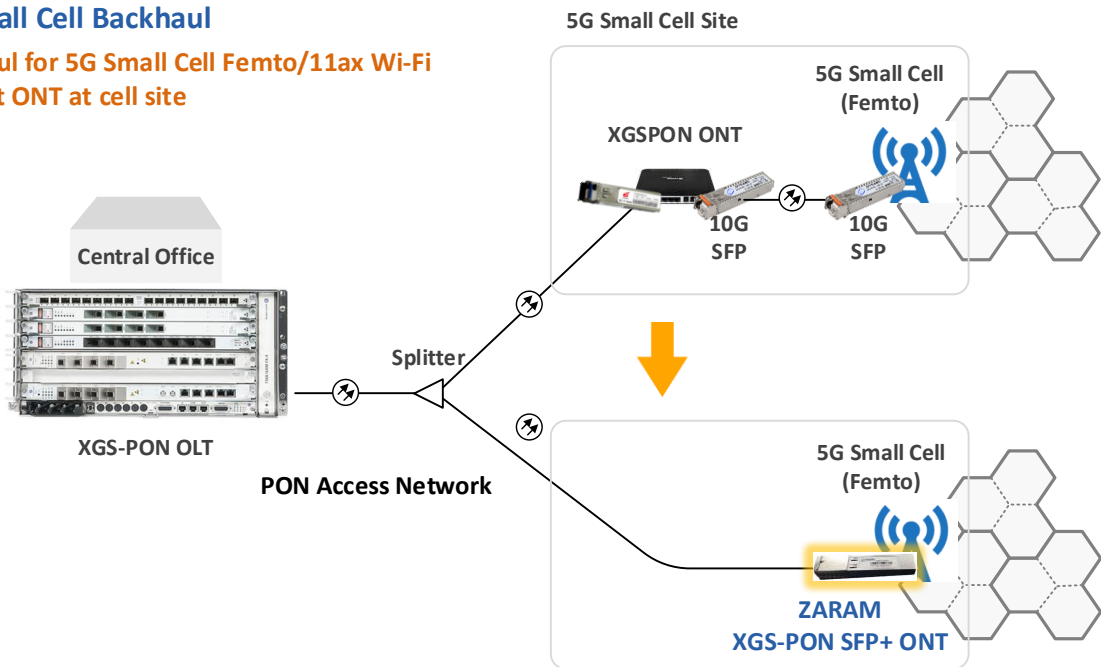
When the ONT stick (Zaram XGSPON 10G SFP+ ONT) is applied to the uplink port of the general L2 switch, the PON access network can be constructed without the ONU provided by the PON vendor.

Since PON-aware hardware is not required and make use of standard low cost Ethernet switch, ONU cost is greatly reduced.



**5G Small Cell Backhaul**

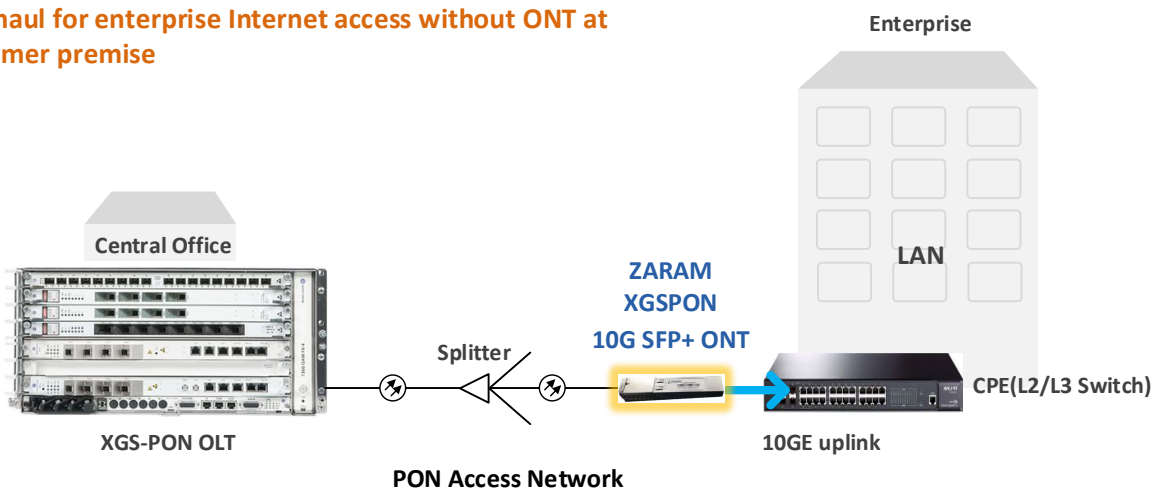
Backhaul for 5G Small Cell Femto/11ax Wi-Fi without ONT at cell site



If ONT stick is applied to uplink of 5G small cell which requires a maximum speed of 2Gbps or more per cell in future, addition of ONT to the cell site is unnecessary, which reduces the cost of building a cell site.

**Enterprise CPE Uplink**

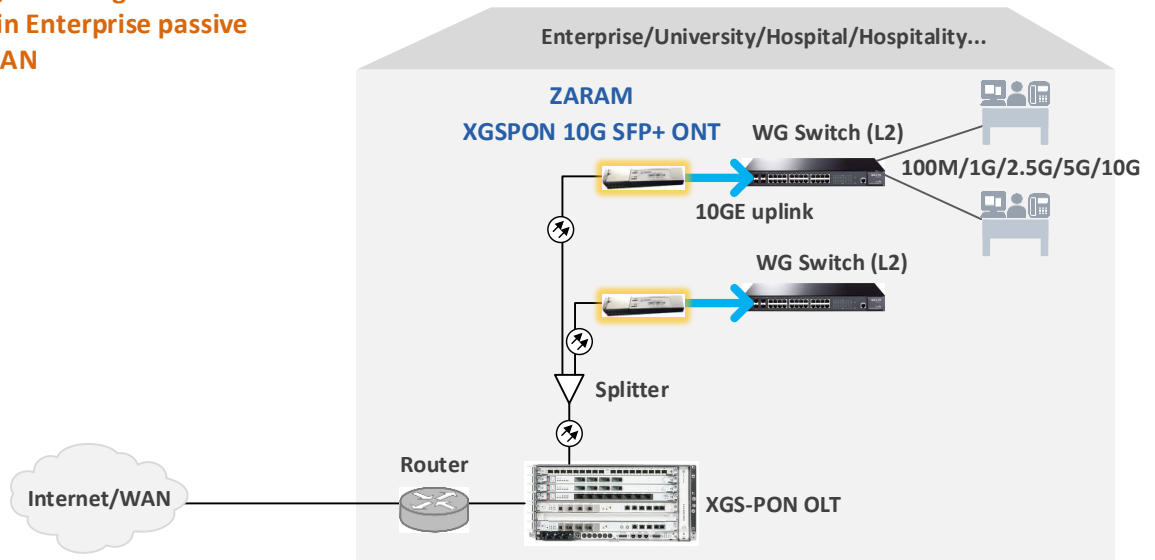
Backhaul for enterprise Internet access without ONT at customer premise





## Enterprise Passive Optical LAN (POL)

Enabling to use a general L2 switch as ONU in Enterprise passive optical LAN



## Contact Information

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