Telecommunications: Facilitating FTTH and FTTB deployments

With the ME1310 Mobile Edge server

NEEDS AND CHALLENGES

❯ **Traffic management:** Efficiently managing remote Passive Optical Networks (PONs) that deliver fiber optic data from one point to multiple end points

❯ **Deployments:** Low power, high-density solution needed to support outdoor or small spaced deployments

❯ **Reliability:** Maintaining a reliable internet connection for FTTH and FTTB use cases

❯ **Flexibility:** Ability to use more than 1 ISP and connect different types of networks in a cost effective way

❯ **Scalability:** Capacity to scale-up as demand for data rises in remote locations with widespread end-customers

BENEFITS OF KONTRON ME1310

❯ **Small yet mighty:** Rugged, 1U form factor with wide temperature range (-40 °C to 65 °C) designed to fit into constrained spaces, unconventional outdoor cabinets, and perform high-density functions in harsh environments and extreme weather conditions.

❯ **Low power and scalable:** Offers higher computing power using less energy and battery backup allows system to stay up-and-running longer. Remote deployments can quickly scale-up to handle peak workloads by adding more units.

❯ **Do more with less:** Reducing hardware devices required to deploy a PON improves Total Cost of Ownership (TCO) and overall efficiency.

❯ **Robust performance and networking:** Embedded 200Gb switch improves network performance and eliminates need to purchase additional hardware.

TARGETED DEPLOYMENTS

Fiber-to-the-home (FTTH) from a single ISP

Each fiber optic cable going to 1 x ME1310 which connects up to 64 ONUs (Optical Network Units) to deliver internet service to homes located in remote areas.

Fiber to the building (FTTB) for enterprise deployments from multiple ISPs

Each fiber optic cable going to 1 X ME1310 which connects up to 64 ONUs to deliver internet service from a single or multiple ISP to several floors of a commercial/residential building.

❯ Learn more:
ME1310 High Performance Multi-Edge Platform

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