INTERCEPT

Gigabit Coax in Building System

TechnicalOverview

The Intercept™ EO solution delivers Multigigabit data rates over existing legacy coaxial cabling for rapid and economical deployment in MDU, enterprise or campus environments. Capable of data rates of up to 2.5 Gbps downstream and up to 2 Gbps in the upstream, EO is highly competitive with FTTH services, at a fraction of the cost.
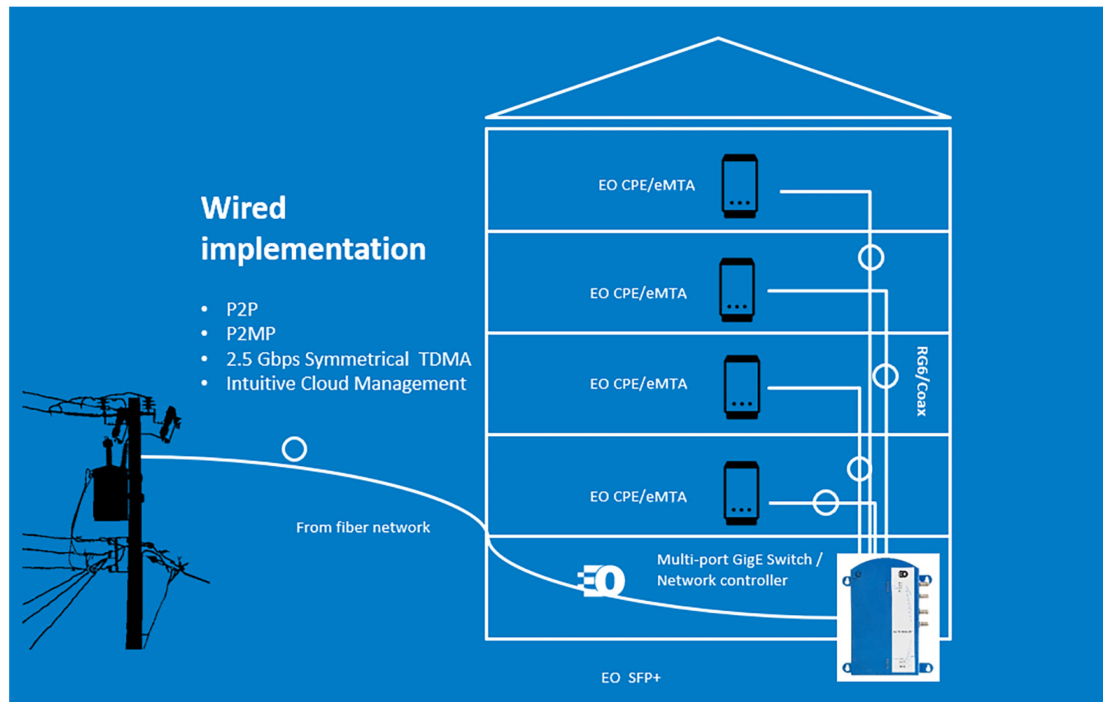
The EO network controller provides full featured functionality and management capabilities for intuitive subscriber management and superior QoE, time to market and rapid activation and implementation of revenue generating services. Designed specifically for MDU applications, the EO system can be implemented in a P2P or P2MP delivery design, and can be routed to the EO CPE device or via Wireless router for reliable high speed data coverage throughout the premise environment.

EO can be deployed over existing coaxial premise wiring via the EO cost effective and compact eMTA, or EO is easily deployed and implemented for rapid subscriber activation and acquisition, providing exceptional time to market and ROI for high speed data services.

Gigabit Coax in Building System

o   Up to 2.5 Gbps DS and 2 Gbps US in building solution

o   Uses existing coax infrastructure and cabling

o   Compatible with legacy passives up to 1675 MHz

o   MoCA Access transport 600 MHz – 1675 MHz

o   Highly loss tolerant @ 55 dB link budget

o   Intuitive cloud management tool/GUI

o   Fastest time to market for Gigabit services

o   Installs quickly and easily

o   Fractional cost compared to FTTH

o   Tailored for

                        - MDU

                        - Campus

                        - Enterprise

                        - Small Broadband systems

o   Point to point or Point to Multipoint applications

o   Available in 4/8 and 12 port

o   Low cost and compact CPE

o   MoCA SFP+ form factor

The Intercept™ EO is full featured and targeted to the Multi Dwelling Unit market segment for high speed symmetrical data services. EO enables high speed data services of up 2.5 Gbps downstream and 2 Gbps upstream and capable of serving up to 31 subscribers from each RF port.

The EO solution can utilize RF spectrum between 400 MHz and 900 MHz for legacy networks which have cleared spectrum used for video services, but can also operate in a mode between 1125 MHz to 1675 MHz, leaving all legacy services in place below 1 Ghz. The EO uses MoCA access OFDM technology and can deliver highly efficient modulation rates up to 1024k QAM.

The EO solution, eMTAs and Network Controller portfolio provides a highly intuitive cloud management platform for easy onboarding of new subscribers and efficient subscriber and network management.

The EO Network controller is available in a 1, 4 and 8 port design which is highly compact and flexible for a wide variety of premise cabling environments.

Gigabit Coax in Building System