Complete FTTH Networking Solution

Customer benefits:

- Symmetrical bandwidth delivery with unlimited potential

- Pay-as-you-grow concept

- Iskratel Intelligent Service Access (ISA) enables a smooth transition to software-defined broadband

- Business and residential client support

- Freedom of choice between P2P and GPON

- Easy management using service profiles with full SNMP support

As the broadband society becomes increasingly bandwidth-hungry, it has become clear that FTTH is the only network architecture which can safely support the service requirements of the next decade and beyond.

OPEN FOR SERVICES, INNOVATION AND NEW BUSINESS MODELS

New broadband services like HD-video-enabled remote healthcare, e-learning and infotainment are being developed on top of the FTTH infrastructure, making use of all the available bandwidth. At the same time, users are demanding an ever-higher quality of experience. As a result, networks need to adapt quickly to user service requests and needs. This is exactly what Iskratel's FTTH approach is all about.

FUTURE-PROOF INVESTMENT

Today FTTH already represents the most cost-effective solution for all green-field deployments. If it is also the network architecture of the future, there is only one choice left to make, Ethernet P2P or GPON?

But why not choose both?

Ethernet point-to-point (P2P) FTTH is the simplest and best long-term solution to future-proof investment. A dedicated optical fibre is laid from the access node location to each individual user, providing all users with an 'unlimited' dedicated transmission rate (around 1 Gbps and more in the future).

To reduce the building cost of FTTH, Gigabit Passive Optical Network (GPON) is useful when upgrading existing fibre and when connecting distant areas where the cost of fibre cables is prohibitive.
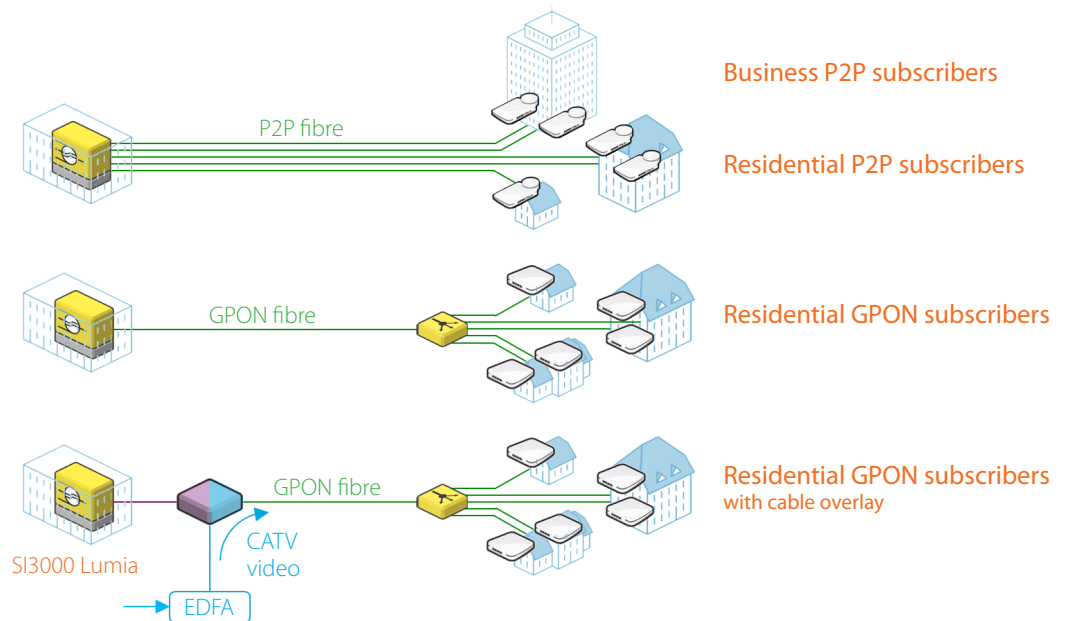
Copper-owner investment in fibre can be minimised even more when P2P and GPON are combined with other Iskratel solutions like FTTC or FTTB with VDSL2 vectoring technology for the last mile.

Iskratel offers a complete FTTH networking solution for various types of network operators.

ISKRATEL

Key features:

- High-density active and passive access nodes

- BBF TR-101 and TR-156 compliant feature set

- Feature set ready for PPPoE or IPoE environments

- Easy management and integration using service profiles

- Centralised or local web based management

Key elements of the solution:

- SI3000 Lumia as a high-density FTTH access and aggregation node

- Innbox managed home gateways for multi-play service providers

- SI3000 MNS to manage the network, provision services and subscribers

FTTH DEPLOYMENT OPTIONS

P2P fibre — Business P2P subscribers

Residential P2P subscribers

GPON fibre — Residential GPON subscribers

SI3000 Lumia

GPON fibre — Residential GPON subscribers with cable overlay

CATV video

EDFA

MULTI-SERVICE ACCESS NODE
SI3000 Lumia

RESIDENTIAL P2P CPE
Innbox F6x/V6x-U

GPON ONT
Innbox G6x