



Iskratel Innbox G23

GPON FTTH ONT

Key features

- Super-compact GPON ONT with full-gigabit throughput
- Powerful forwarding engine with assured QoS
- One GE LAN interface
- Support for multicast video
- Ideal for dual-box deployment
- K.21 overvoltage protection

Iskratel Innbox family of CPE is a product pillar of Iskratel, a specialised telco brand of Kontron. Iskratel unites eight decades of expertise with Kontron's reach and strength.

Iskratel Innbox G23 is a GPON ONT that delivers a high-end home-networking solution for advanced services with an unparalleled user experience. It supports data rates of **2.5 Gbps in downstream** and **1.25 Gbps in upstream** on its GPON network interface, and full gigabit throughput on the LAN interface.

Innbox G23 supports a smooth delivery of services such as internet data, voice over IP and streaming IP video, including multiple bandwidth-consuming UHD TV streams simultaneously.

This compact and stylish GPON ONT is equipped with one **gigabit Ethernet LAN** interface.

Innbox G23 is an ideal choice for **dual-box FTTH setups**, in either single- or multi-operator environments.

Operating along with a separate router, home gateway or a Wi-Fi access point, the flexibility of Innbox G23 is limited only with operator imagination.

The ONT is fully **manageable remotely** with complete FCAPS support.



Full gigabit throughput



Extreme versatility of deployment



Robustness and efficiency

WAN specifications

- Full ITU-T G.984.5 GPON compliance, Class B+
- SC/APC connector
- DFB transmitter, +0.5..+5 dBm launch power
- APD receiver, -8 dBm input power overload, -28 dBm sensitivity
- 2.5 Gbps downstream and 1.25 Gbps upstream
- Multiple T-CONTs and GEM ports per device
- Multicast GEM port
- Auto-discovery of SN and password, ITU-T conformant
- AES-128 decryption, key generation and switching
- Forward error correction
- 802.1p mapper service profile on upstream

LAN interfaces

- One port Gigabit Ethernet 10/100/1000Base-TX (RJ-45)
- Automatic MDI/MDIX crossover, Auto-negotiation and speed auto-sensing, Half/full duplex support
- Compliance with IEEE 802.3
- Support for IEEE 802.1Q and 802.1p VLAN

Bridging

- Ethernet bridging/switching per IEEE 802.1D/.1Q
- Four traffic classes as per IEEE 802.1p
- VLAN tagging/untagging
- VLAN stacking (Q-in-Q)
- Automatic MAC learning and aging
- 128 MAC addresses
- MAC limiting

IPTV

- IGMP multicast
- IGMP snooping

Configuration and network management

- OMCI
- CLI

Environment

- Operating: +5..+45 °C, RH 5..85% non-condensing, compliant with ETSI 300 019-1-3, Class 3.1
- Storage: -25..+55 °C; RH 10..95% non-condensing, compliant with ETSI 300 019-1-1, Class 1.2

Physical dimensions

- 90 mm × 73 mm × 25.2 mm

Power

- External adapter 115-230 V AC, 50-60 Hz, 12 V DC, 0.5 A DC

Certification

- CE, CB, RoHS, UA compliant



Some features may be hardware-dependent or might not be included in all software releases. The operation may depend on network setup and/or service model. No rights can be derived from this datasheet.

