

# RESIDENTIAL XGS-PON ONT

## i7208

Open Access XGS-PON ONT



The Icotera i7208 residential ONT is designed as a long-term XGS-PON termination point in a two-box installation. The ITU-T OMCI standards compliant provisioning, a vendor independent approach, and easy installation together with Icotera's focus on design and usability, make the i7208 an obvious choice for XGS-PON fiber termination.

- Aesthetic design
- Vendor independent provisioning and management
- Lowest Total Cost of Ownership
- Designed for long lifetime installations
- 2.5 Gigabit fiber termination
- BBF.247 certification



### Future Proof Solution

The i7208 series is an XGS-PON Layer 2 termination device with a single 2.5Gbps LAN port. This solution makes it cost-effective for operators to implement two-box installations, as the i7208 is compatible with any Layer 3 device.

The ONT supports securely encrypted and signed FW, environmentally friendly materials, and is certified with the BBF.247 certification, fulfilling the latest test plans developed by the Broadband Forum.



# i7208 Residential XGS-PON ONT

## FEATURES

- Vendor-independent XGS-PON ONT
- Hardware forwarding
- Long-lifetime standard interfaces
- Protocol transparent forwarding

## NETWORK COMMUNICATION PON INTERFACE

- WDM filter included (support for CATV and GPON signal coexistence)
- ITU-T G.9807.1 compliant
- Wavelength: US 1260nm - 1280nm, DS 1575nm - 1580nm
- 10Gbit/s symmetric line rate
- G.988 compliant
- Forward Error Correction (FEC)
- AES encryption
- Dying gasp
- Class N1 optics

## LAN INTERFACE

- 1 x 2.5G LAN
- Auto-negotiation for speed and duplex

## LAYER 2

- 64 byte forwarding at line rate
- Jumbo 9k packets
- Forwarding up to 256 MAC addresses
- VLAN QinQ support
- VLAN 802.1ad support
- Transparent IPv6 forwarding
- Multicast support

## QoS

- Support DBA in SR and NSR modes
- Support for Strict Priority and Weighted Fair Queuing
- Support for TCONTs 1 - 5
- Support up to 32 T-CONTs
- 8 Upstream/Downstream Queues configurable via OMC1
- Class of Service Based on VLAN-ID, 802.1p
- Marking/Remarking of 802.1p
- Marking/Remarking of DSCP/ToS

## MANAGEMENT & MONITORING

- Zero-touch configuration with OMC1 provisioning
- Dual bank firmware w/ fail-safe upgrading
- Hardware watchdog

## OPERATIONAL SPECIFICATIONS

- DC 12V input
- Power consumption maximum: 4.5W
- Power consumption in idle state: 3.5W
- Operating temperature: 5°C - 45°C
- Storage temperature: 5°C - 85°C
- Humidity: 5% - 95% (non-condensing)

## PHYSICAL SPECIFICATIONS CASING

- Size: 130 x 130 mm (W x H)
- Area for visible PON label right side - 16 x 30 mm for optional PON SN label
- Product SN, PON SN, FW version and MAC address label - ONT bottom
- PON LED - Connection status
- LAN LED - Link status

## FIBER TERMINATIONS

- Wall mountable

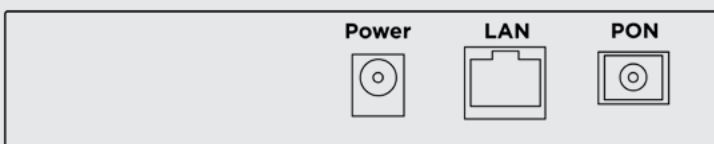
## INCLUDED IN THE BOX

- ONT
- 12V PSU adapter
- 2 x Label with PON SN

## SUPPORTED PLATFORMS

- Nokia ISAM 7330/7360
- Huawei MA5600/5800
- Other specific platforms supported on a per integrational basis, contact sales for more information.

### i7208 Residential XGS-PON ONT



### ONT Interface Configuration:

Model	LAN	Termination
i7208-00	1 x 2.5G	Patch

NOTE: Please contact Sales for further details on information listed and feature requests.