

H665

Compact GPON ONT (Optical Network Termination)
for the connection to the V-Series GPON OLTs



- Supports the ITU-T G.984-standard
- Uplink interface with 2.5 Gbs downstream and 1.25 Gbs upstream
- GbE LAN interface
- Supports IGMP snooping for IPTV applications
- Management via OMCI (ONT management control interface)

H665

The H665 is a compact, high-speed GPON network termination that provides subscriber interfaces in GPON networks for residential and business customers.

The ONT provides a Gigabit Ethernet port for high-speed Internet, VoIP telephony and IPTV. Together with the GPON OLTs the ONT realises the fast and easy use of broadband services in FTTH network architectures.

■ High-speed Internet

H665 is an efficient and cost-effective solution that allows reliable delivery of multimedia services via optical fibres in GPON networks.

The ONT is designed for installation in houses. It can be used as a desktop unit or simply mounted onto an internal wall.

■ Interfaces

H665 offers a Gigabit Ethernet port (10/100/1000-BaseTx). The uplink port of a router in the local network will be connected to it. The ONT acts as the interface between the local and the public network.

■ PON benefits

PON technology offers cost-efficient FTTx services thanks to the point-to-multipoint concept.

The use of passive optical splitters in opposite to active switch systems makes passive optical networks a cost-efficient solution.

■ Management

The configuration of the ONTs and the services provide is realised completely via the OMCI (ONT Management Control Interface).

Technical data

General	
Network function	GPON ONT
Full duplex modes	WAN, LAN
GPON interface	
Standards supported	Compatible with ITU-T G.984x, Forward Error Correction (FEC) Advanced Encryption Standard (AES) Multiple T-CONTs/GEM ports per device Flexible mapping between GEM port and T-CONT Single/multiple T-CONT(s) mode Priority queues and scheduling in upstream Activation with automatic detection of serial number and password Dying gasp
LAN interface	
Standard supported	1x Gigabit Ethernet (10/100/1000Base-T – RJ45)
Multicast	
Multicast function	IGMP snooping
Layer-2 switch functionality	
Standards supported	Untagged port configuration IEEE802.1D and IEEE802.1Q bridging Standard Ethernet bridging MAC address learning with auto aging and filtering
QoS (Quality of service)	
Standards supported	Hardware based with internal IEEE 802.1p (Cos) Strict Priority (SP) 802.1Q (VLAN tag) QoS mapping, ToS/CoS
Number of queues	8
Management	
Standard supported	According to ITU-T 984.4 with OMCI interface IEEE802.3x flow control
Mechanics	
Dimensions (W x H x D)	87 mm x 27 mm x 85 mm
Power supply	
Input voltage	12VDC with external power plug 100-240VAC (50/60Hz)
Operation environment	
Operation temperature	-5 °C to 50 °C
Humidity	20% to 90% (non-condensing)