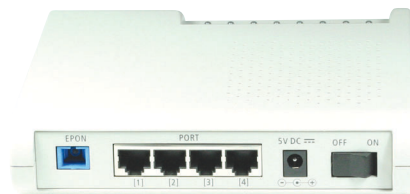
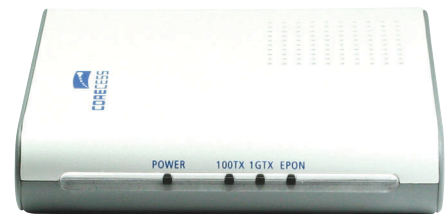


Corecess 3800 series Gigabit EPON ONT



Corecess 3804T



Corecess 3802T

Product Overview

Corecess 3800 series is IEEE 802.3ah compliant Gigabit Ethernet PON (GEAPON) Optical Network Terminal (ONT) solution for advanced IP service delivery in a single fiber FTTH environment. With Corecess 3800 series ONTs, service providers are able to address new streams of revenue generating service opportunities for innovative, bandwidth intensive applications such as IP video and home multimedia services.

The extensive line of Corecess 3800 series ONT solutions are applicable to residential or small business subscribers, including options for number or speed for subscriber Ethernet ports. These ONTs are packaged for in-door deployment similar to customer DSL modem.

Corecess 3800 series ONT is configured and managed through S5 OLT. ONT functionalities managed by OLT include ONT status monitoring, QoS policy enforcement, ONT alarm collection and software upgrade. Corecess 3800 OLT is able to be upgraded through PON interface by OLT, with investment protection for new service abilities in the future.

Key Features

- IEEE 802.3ah compliant GEAPON: 1.25Gbps downstream & upstream
- IGMP support for IP TV
- 20Km range support (valid for -20K product)
- 32 split support
- QoS support: Multi-field classification & multiple queue support
- Layer 2 bridging and VLAN support
- Multiple LLID support
- Hardware based DBA support

Specifications

ARCHITECTURE

- Desk-top type fixed configuration ONT, no expansion module required

INTERFACES

- GEAPON : 1000Base-PX/U, SC/PC connector
- Subscriber ports : 10/100Base-TX or 10/100/1000Base-T, RJ45 connector

EPON MAC SPECIFICATIONS

- Compliant to IEEE 802.3ah 1000Base-PX/U standard
- Multiple queue management
- Upstream bandwidth management support : DBA and flow control
- Multiple LLID support
- Downstream encryption support

LAYER 2 FUNCTIONALITY

- IEEE 802.1p/q, IEEE 802.1D, IEEE 802.3x support
- IGMP snooping support
- STP, RSTP, MAC filtering, Port rate limiting support (valid for Corecess 3804T product)
- VLAN support

QoS FEATURES

- Multi-field classification support
- Multiple Queue and Strict Priority (SP) support

MANAGEMENT FUNCTIONALITY

- In-band management support
- Loopback test support

PHYSICAL SPECIFICATIONS

- Dimension (H × W × D, mm) : 35 × 160 × 160 (corecess 3804T)
- Power : 5VDC through external adapter (100 to 240 VAC (auto-ranging), 50 to 60 Hz for external adapter)
- Front side LED and rear side cabling connector
- Power consumption : Max. 11watt (corecess 3804T)

ENVIRONMENTAL & REGULATORY COMPLIANCE

- Operating Temperature : 0 °C ~ 50 °C
- Operating Relative Humidity: 10 ~ 95% @40 °C, Non-condensing
- MIC, VCCI, CE, UL, FCC Part 15, FCC Part 68 (All planned)

Product Ordering

ONT Type		PON Interface			Ethernet Interface	
		No.	Interface	Connector	No.	Interface
Corecess 3804T	Desk-top	1	100BasePX/U10	SC/PC	4	10/100BaseTX, RJ45
Corecess 3802T	Desk-top	1	100BasePX/U10	SC/PC	1	10/100BaseTX, RJ45
					1	10/100/1000BaseT, RJ45

Note : 1 port (10/100Base TX or 10/100/1000Base T) or/and 20Km model is built on order basis. Please ask CORECESS sales representatives for availability and conditions.

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