

ONU 1000C

COST-EFFECTIVE GEPON CUSTOMER PREMISE DEVICE: OPTICAL NETWORK UNIT

DELIVERS HIGH SPEED VOICE, DATA AND VIDEO SERVICES OVER GIGABIT ETHERNET PASSIVE OPTICAL NETWORKS (GEPON)



KEY FEATURES:

- **FULL IEEE 802.3/802.3AH COMPLIANCE**
- **10/100/1000MBPS ETHERNET CONNECTIVITY**
- **HIGHEST SPEED EPON**
- **PLUG-AND-PLAY**
- **ADVANCED QOS**
- **REMOTE MANAGEMENT**

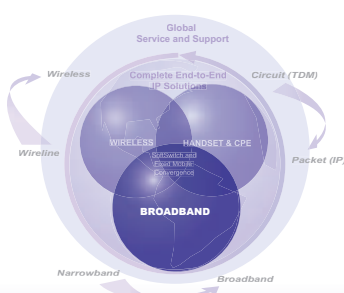
The UTStarcom ONU 1000C is a cost-effective GEPON customer premise device for indoor residential installation. Designed to terminate PON links originating from UTStarcom's Optical Line Termination (OLT) platforms, the ONU 1000C is ideal for delivering bandwidth intensive Triple Play services to home subscribers. Benefiting from a simple plug-and-play design, the device terminates a Network GEPON link, to deliver ubiquitous Ethernet broadband service to the subscriber. The auto-sensing Ethernet port supports 10/100/1000Mbps Ethernet connectivity, seamlessly enabling interoperability with a wide variety of in-home devices, gateways and computers. The ONU 1000C is configured and managed remotely via UTStarcom's BBS Family (OLT).

APPLICATIONS

The ONU 1000C provides an uplink to the Central Office (CO) via its GEPON port, and LAN connectivity to residential or business subscribers via its 10/100/1000Mbps Ethernet port. A future-proof Fiber To The Home (FTTH) solution, the ONU 1000C is a critical element in the successful delivery of multimedia video over a single optical fiber.

KEY FEATURES

- Full IEEE 802.3/802.3ah compliance
- Highest speed EPON: 1 Gbit/s symmetrical for Data, VoIP and IP video services
- "Plug-and-play" via auto-discovery and configuration
- Advanced QoS functions enable billing by Service Level Agreement
- Remote management with advanced OAM functions



Technical Specifications



MODULE FUNCTIONS

PON STANDARDS

IEEE 802.3ah

USER AUTHENTICATION

IEEE 802.1x

QoS

IEEE 802.1p

IPv4 TOS priority

MANAGEMENT

Telnet, console interface with CLI
Remote system software upgrade

HARDWARE

PHYSICAL

Dimensions (mm): 194W (7.57 in.) x 154D (6.01 in.) x 38H (1.48in.)
(wall mountable)
Weight: 283.4g (10 oz.)

POWER

12V DC
6W Max

OPERATING REQUIREMENTS

Temperature: 0~40°C
Humidity: 5%~95%

OPTICAL CHARACTERISTICS

Optical Fiber:	Single Mode Fiber
Connector:	SC / UPC
Max split:	32
Data rate:	1 Gbps up and down stream
Optical loss budget:	29dB
Wavelength:	Tx: 1310nm; Rx: 1490nm
Output Power:	-1~ +3 dBm
Link Distance:	20 km
Receiver Sensitivity:	-26dBm
Receiver Saturation:	-3dBm

FRONT INTERFACE

LEDs: Power, Alarm, LAN Link Status and PON Link Status

REAR INTERFACE

1 Power connector
1 GEAPON SC connector
1 RJ-45 10/100/1000 Ethernet
Impedance: 100 ohms

CERTIFICATIONS / COMPLIANCE

VCCI, FCC, CE
UL, TUV

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About UTStarcom, Inc.

UTStarcom is a global leader in IP-based, end-to-end networking solutions and international service and support. The company sells its broadband, wireless, and handset solutions to operators in both emerging and established telecommunications markets around the world. UTStarcom enables its customers to rapidly deploy revenue-generating access services using their existing infrastructure, while providing a migration path to cost-efficient, end-to-end IP networks. Founded in 1991 and headquartered in Alameda, California, the company has research and design operations in the United States, China, Korea and India. UTStarcom is a FORTUNE 1000 company. For more information about UTStarcom, visit the company's Web site at www.utstar.com

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