

ONU 1000B

COST-EFFECTIVE GEAPON CUSTOMER PREMISE DEVICE

DESIGNED FOR FTTB APPLICATIONS TO DELIVER HIGH SPEED VOICE, DATA AND VIDEO SERVICES OVER GIGABIT ETHERNET PASSIVE OPTICAL NETWORKS (EPON)



- **Full IEEE 802.3/802.3ah Compliance**
- **Highest Speed EPON**
- **Plug-and-Play Advanced QoS**
- **Remote Management**

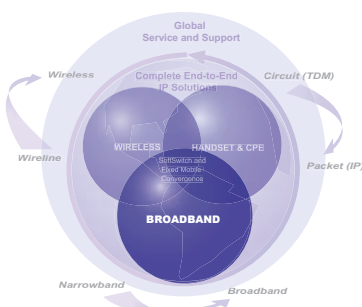
The UTStarcom ONU 1000B is a cost-effective GEAPON customer premise device designed for (FTTB) applications. It supplies Gigabit broadband services to a connected subscriber's gateway and/or computers. The Ethernet port's auto-negotiation feature enables support for 10/100/1000Mbps Ethernet connections with various subscriber equipment. The ONU 1000B is configured and managed remotely via UTStarcom's BBS family (OLT).

APPLICATIONS

ONU 1000B provides an uplink to the central office via its GEAPON port, and a downlink to the individual residential user via its Ethernet port. A futureproof, Fiber To The Building (FTTB) solution, the ONU 1000B is a critical element in the successful delivery of multimedia video, voice and data over a single optical fiber.

KEY FEATURES

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



HARDWARE

DIMENSIONS

- 187 x 110 x 30 mm (HxWxD)

WEIGHT

- 655g

OPERATING TEMPERATURE

- 0° TO 50° C

OPERATING HUMIDITY

- 5 TO 95% non-condensing

STORAGE TEMPERATURE

- - 40° TO 75° C

STORAGE HUMIDITY

- 75% (maximum)

INPUT POWER FOR POWER ADAPTOR

- AC 100~240V, 47 ~ 63 Hz

OUTPUT POWER FROM POWER ADAPTOR

- DC 5V

POWER CONSUMPTION

- 6W maximum

VIBRATION ENDURANCE

- 25 minutes of vibration with 0.35 mm movements, frequency : 5~55 Hz

SHOCK ABSORPTION

- 10g acceleration lasting 11ms

COMPLIANCE

- IEEE 802.3ah, VCCI

PORT SPECIFICATIONS

10/100/1000M ETHERNET PORT

CONNECTOR

- RJ-45, 8 Pin jack

IMPEDANCE

- 100 ohms

SUPPORTED LINK DISTANCE

- 100 m

CABLE TYPE

- CAT-5 or CAT-6

GEPON FIBER LAN PORT

CONNECTOR

- SC/UPC connector

WAVELENGTH

- Tx: 1310nm, Rx: 1490nm

OPTICAL POWER BUDGET

- 29dB

OUTPUT POWER

- -1~+3 dBm

SUPPORTED LINK LENGTH

- 20KM

TRANSMIT/RECEIVE

- FP Tx/1310nm / PIN diode Rx

OPTICAL FIBER

- SINGLE SMF FIBER

Max Split: 32

Receiver Sensitivity: -26dBm

Receiver Saturation: -3dBm

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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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