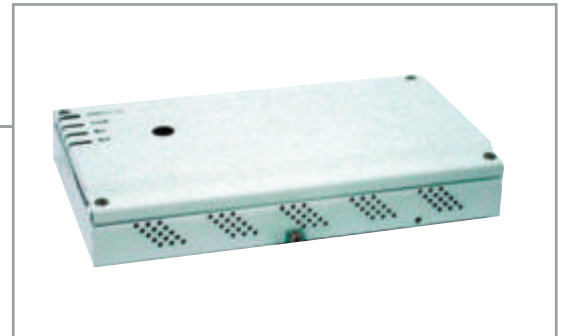


# ONU 1001B

## COST-EFFECTIVE GEPON CUSTOMER PREMISE DEVICE

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



### KEY FEATURES:

- **FULL IEEE 802.3/802.3AH COMPLIANCE**
- **HIGHEST SPEED PON**
- **PLUG-AND-PLAY**
- **ADVANCED QOS**
- **REMOTE MANAGEMENT**

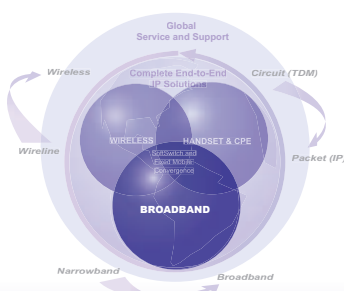
UTStarcom's ONU 1001B is a cost-effective GEPON customer premise device designed for FTTB applications. It supplies Gigabit broadband service to a connected subscriber's gateway and/or computers. The Ethernet port's auto-negotiation feature enables dynamic recognition and support for 10/100/1000Mbps Ethernet interconnections based on subscriber network requirements. The ONU 1001B is configured and managed remotely via UTStarcom's BBS family (OLT).

### APPLICATIONS

The ONU 1001B 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 1001B 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 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



## HARDWARE

### PHYSICAL

Dimensions (mm): 187mm (H) x 110mm (W) x 30mm (D)  
Weight: 655g

### POWER

AC/DC Power adaptor: AC in 100 ~ 240V, 47 ~ 63 Hz  
DC out 12V DC  
Power Consumption: 6W Maximum

### OPERATING REQUIREMENTS

Temperature: 0 ~ 50 °C  
Humidity: 5% ~ 95 % non-condensing

### PORT SPECIFICATIONS

#### 10/100/1000 ETHERNET PORT

Connector: RJ-45, 8 Pin jack  
Impedance: 100 ohms  
Supported Link Distance: 100 m  
Cable Type: CAT-5 or CAT-6

### STORAGE REQUIREMENTS

Temperature: - 40 ~ 75 °C  
Humidity: 75% 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

### 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: Max Split:32  
Max Reach: 20KM  
Optical Fiber: SMF (Single Mode Fiber)  
Data rate: 1Gbps up and down stream  
Receiver Sensitivity: -26dBm  
Receiver Saturation: -3dBm

Please note the information contained herein is for informational purposes only. Technical claims listed depend on a series of technical assumptions. Your experience with these products may differ if you operate the products in an environment, which is different from the technical assumptions. UTStarcom reserves the right to modify these specifications without prior notice. UTStarcom makes no warranties, express or implied, on the information contained in this document.

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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](http://www.utstar.com)

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