

ONU 404

COST-EFFECTIVE GEPON CUSTOMER PREMISE DEVICE WITH LIFELINE SUPPORT, INTEGRATED VOIP AND 10/100M BASE-T 4-PORT SWITCH

DELIVERS HIGH SPEED VOICE, DATA AND VIDEO SERVICES OVER GIGABIT ETHERNET PASSIVE OPTICAL NETWORKS (GEPON) IN ADDITION TO LIFELINE AND VOIP FUNCTIONALITY



KEY FEATURES:

- **FULL IEEE 802.3/802.3AH COMPLIANCE**
- **HIGHEST SPEED EPON**
- **PLUG-AND-PLAY**
- **ADVANCED QOS**
- **ADVANCED L2 FUNCTIONALITY**
- **SECURE ACCESS VIA ACCESS CONTROL LIST (ACL)**
- **INTEGRATED VOIP FUNCTION**
- **REMOTE MANAGEMENT**

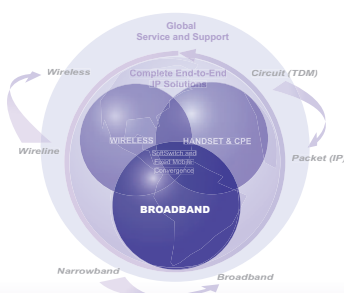
The UTStarcom ONU 404 is a cost-effective GEPON customer premise device designed for indoor residential and Single Office/Home Office (SOHO) installation. It supplies Gigabit broadband service to a connected subscriber's gateway and/or computers. ONU 404 provides four 10/100M Base-T Ethernet ports with advanced L2 functionality for Data and IPTV video services. ONU 404 also provides two Voice over IP (VoIP) ports (FXS) and one lifeline (FXO) port for voice communications. In typical CPE devices, VoIP communications are provided via VoIP protocol by way of FXS ports. However, unlike traditional VoIP equipment, when the ONU 404 is powered off, an active lifeline port remains enabled and traditional PSTN service is delivered. The ONU 404 is configured and managed remotely via UTStarcom's BBS product family (OLT).

APPLICATIONS

ONU 404 provides an uplink to the central office through its GEPON port, and a downlink to the individual residential user or SOHO through four Ethernet ports, two VoIP ports and one lifeline port. A future-proof solution enabling FTTx, ONU 404 delivers voice, high bit-rate data and video over a single fiber.

FEATURES

- Full IEEE 802.3/802.3ah compliance
- Single fiber for Data, IPTV communications
- 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 enable billing by Service Level Agreement
- Remote management with advanced OAM functions
- Power on/off LED, normal, lower, and overload indication LEDs
- Secure access via Access Control List (ACL)
- Advanced L2 Function: IGMP Snooping, VLAN, MAC address Management, Rate limiting, STP
- Integrated VOIP functionality: supports MGCP, SIP, H.323
- Low input optical power



Technical Specifications



HARDWARE

PHYSICAL

Dimensions: 226mm (H) x 152mm (W) x 38mm (D)
Weight: 536g

POWER

AC/DC Power adapter: AC in 100~240V
DC out: 12V DC/2A
12W Maximum, 6W Average

OPERATING REQUIREMENTS

Temperature: 0 ~ 40 °C
Humidity: 5% ~ 90 %

STORAGE REQUIREMENTS

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

MODULE

PON STANDARDS

IEEE 802.3ah

L2 SWITCH FUNCTION

IEEE 802.1q VLAN
MAC management
IGMP snooping
IEEE 802.1d STP
Rate Limiting

VOICE FUNCTION

2*FXS(RJ11) for VOIP phone
1*FXO(RJ11) for lifeline active while power off
VOIP protocol: MGCP, SIP, H.323
FAX; T38

OPTICAL CHARACTERISTICS

Optical Fiber: Single SMF fiber
Connector type: SC/UPC connector
Max split: 32
Data rate: 1 Gbps up and down stream
Optical loss budget: 29dB
Operation wavelength range: Tx: 1310 nm
Rx: 1490 nm
Output Power: -1~ +3 dBm

FRONT INTERFACE

LEDs: Power, ALARM, LAN1, LAN2, LAN3, LAN4, GEAPON

REAR INTERFACE

1 Power connector
1 GEAPON SC connector
4 RJ-45 Fast Ethernet
3RJ11 for voice

CERTIFICATIONS

VCCI, CE, CCC, UL and FCC part 15B

OoS

IEEE 802.1p
IPv4TOS priority
Differsrv

MANAGEMENT

Remote system software upgrade, EMS through OLT

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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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