

ONU 404C

COST-EFFECTIVE OUTDOOR GEAPON CUSTOMER PREMISE DEVICE

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



KEY FEATURES:

- **FULL IEEE 802.3/802.3AH COMPLIANCE**
- **PLUG-AND-PLAY**
- **ADVANCED QOS**
- **ADVANCED L2 FUNCTION**
- **REMOTE MANAGEMENT**

The UTStarcom ONU 404C is a cost-effective GEAPON customer premise device. It is designed for outdoor residential installation. It supplies Gigabit broadband service to a connected subscriber's gateway and/or computers.

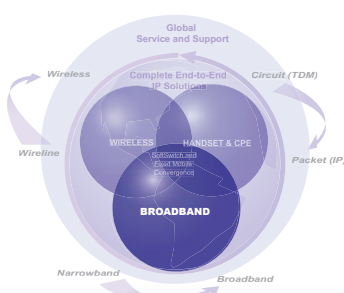
ONU 404C provides four 10/100M Base-T Ethernet ports with advanced L2 functionality for Data and IPTV video services. ONU 404C also provides two Voice over IP (VoIP) ports (FXS) and one lifeline (FXO) port for voice communications. In typical CPE devices, VoIP communications are provided via VoIP protocol by way of FXS ports. The ONU 404C is configured and managed remotely via UTStarcom's BBS product family (OLT).

APPLICATIONS

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

KEY FEATURES

- Full IEEE 802.3ah compliance
- Single fiber for highest speed EPON: 1 Gbit/s symmetrical for data, VoIP and IP video services
- "Plug-and-play" via auto-discovery and configuration
- Traffic management capabilities & service level agreement (SLA) enforcement
- Support automatic cross-over
- Support band width provisioning per port
- Comprehensively remote management and configuration with advanced OAM functions
- IGMP Snooping for special service
- 802.1x MAC based authentication
- 802.1Q VLAN support for the full 4,096 VLAN IDs
- Port Mirroring support
- IEEE 802.1d STP
- Integrated VOIP functionality: supports MGCP, SIP, H.323
- Web ,CLI and SNMP management support



Technical Specifications



HARDWARE

PHYSICAL

Dimensions: 359mm (H) x 310mm (W) x 130mm (D)
Weight: 2.60kg

POWER

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

OPERATING REQUIREMENTS

Temperature: -40 ~ 60 °C
Humidity: 5% ~ 95%

MODULE FUNCTIONS

PON STANDARDS

IEEE 802.3ah

L2 SWITCH FUNCTION

IEEE 802.1Q VLAN
MAC management
IGMP snooping V1/V2
802.1d STP
Bandwidth Allocation
Port mirroring
Rate Limitation

VOICE FUNCTION

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

FRONT INTERFACE

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

REAR INTERFACE

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

CERTIFICATIONS

CE, VCCI, UL and FCC part 15B

OPTICAL CHARACTERISTICS

Optical Fiber: Single SMF fiber
Connector: SC/UPC connector
Max split: 32
Data rate: 1 Gbps up and down stream
Optical loss budget: 29dB
Wavelength: 1310nm (Tx); 1490nm (Rx)
Max reach: 20km
Output power: -1dBm~+3dBm
Receive sensitivity: -26dBm
Receive 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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