

ZHONE ZNID- Indoor GPON ONT

ZNID-GPON- 2402, 2403, 2424, 2425, 2426, 2427

Zhone's indoor residential 24xx Series GPON ONT is standards based CPE designed for advanced triple-play deployments in Fiber-to-the Home/Premise application. The indoor models in Zhone's zNID product line of ONT's provide a lower cost alternative to outdoor ONT solutions. The small package contains many features including QoS, VoIP, and multicast video support. The series include up to four 10/100/1000Mbps LAN Ports, two POTS Voice FXS ports and one RF video in a compact enclosure for indoor use.



ZNID-GPON-2424

Features

- Standard ITU G.984 GPON
- Indoor deployment
- Triple-Play QoS
- Multicast video
- VoIP with CLASS 5 Features
- 802.11b/g/n WiFi

Specifications

Dimensions	Protocol Support
Complete Enclosure, 1.5 in. H x 10 in. W x 6 in. D/ 3.8 cm H x 25.4 cm W x 15.2 cm D	GPON: Fully ITU-T G.984 compliant framing, Multiple T-CONTs per device, Multiple GEM Ports per device, Activation with automatic discovered SN and password in conformance with ITU-T
Weight	G.984.3:
1.0 - 1.2LB (0.45 - 0.54 kg)	AES-128 Decryption with key generation and switching, Forward Error Correction, 802.1p mapper service profile on U/S, Support for Multicast GEM Port
Power	QoS:
12 VDC (DC Models), 100-240 VAC 50/60 Hz (AC Models), Max Power: 15W	Ethernet bridging/switching per IEEE 802.1D/802.1Q, Traffic management (priority queuing and traffic shaping), QoS with support for IEEE 802.1p + DSCP
Interfaces	VLANS:
GPON: SC/APC connector, full ITU-T G.984 compliance	Per port IEEE 802.1Q VLAN ID processing, VLAN tagging/untagging, VLAN Stacking (QinQ), VLAN Switching, SSID to VLAN Mapping
GPON Tx: upstream data rate 1.25 Gbps, 1310nm optic, Launch Power: 0.5 to +5 dBm	IPTV:
GPON Rx: Downstream data rate: 2.5 Gbps, 1490nm optics, Receiver Sensitivity: -27 dBm, Input power overload: -8 dBm	IGMP v2/v3 Snooping, VLAN support
Ethernet: RJ-45 Jack, 4x10/100/1000 Base-T, Meets IEEE 802.3 specifications, Auto-MDI/MDIX and auto speed supported	Layer 2:
POTS: 2xRJ-11 connector	802.3n flow control, Automatic MAC learning and aging, Unlimited # of MAC addresses for OMCI-configured flows, Support for up to 4096 MAC addresses for RG traffic flows, Broadcast storm control
WiFi: dual antenna, 802.11b/g/n	IP Routing and Firewall:
RF Video Overlay: 1xF-type connector, RF Output Level 18 dBmV/ch, Total RF output power 36 dBmV, RF Passband: 46 MHz-870 MHz	PPPoE, NAT/NAPT, port forwarding, DHCP Server, DNS Server
Wireless Support	Management
2x2 MIMO	OMCI
SSID support: 4	Web UI
max number of subscribers: 64	CLI
Maximum tx power: 300 mW	
Antenna: 5dBi	
WEP, WPA-PSK, WPA2-PSK (AES, TKIP)	
802.1x	
64 bit and 128 bit WEP support	
MAC address filtering, DDNS	
Standards Support	

GPON: ITU-T G.984 compliant	SNMP
Voice Support	Bandwidth/Distance
SIP (RFC 3261),	Compliant with ITU-T G.984.5, Class B+
SIP PLAR	APD receiver and DFB transmitter
MGCP	0.5 - +5dBm launch power, -27 dBm sensitivity, and -8dBm overload
Codec: G.711 (u-law and A-law), G.729B, G726, DTMF dialing,	Regulatory Compliance
5 REN per line	CE
Echo cancellation	UL
Voice Activity Detection and Comfort Noise Insertion	FCC part B
Caller ID, Call Waiting, Call Forwarding, Call Transfer, Three Way Calling,	Operating Requirements
Distinctive Ringing	Temperature: 0°C - +40°C
G.711 fallback for FAX, Pulse Metering	Humidity: 5 - 90% relative humidity
T.30 and T.38 FAX	
DHCP client or static IP configuration	

Model	Beschreibung / Description
ZNID-GPON-2402-xx	Indoor GPON ONT, 2xGE xx = NA, UK, EU power supply
ZNID-GPON-2403-xx	Indoor GPON ONT, 2xGE, 1xRF Video xx=NA, UK, EU power supply
ZNID-GPON-2424-xx	Indoor GPON ONT, 4xGE, 2xPOTS xx = NA, UK, EU power supply
ZNID-GPON-2425-xx	Indoor GPON ONT, 4xGE, 2xPOTS, 1xRF Video xx = NA, UK, EU power supply
ZNID-GPON-2426-xx	Indoor GPON ONT, 4xGE, 2xPOTS, WiFi, xx = NA, UK, EU power supply
ZNID-GPON-2427-xx	Indoor GPON ONT, 4xGE, 2xPOTS, WiFi, RF Video, xx = NA, UK, EU power supply