

# ZHONE ZNID GPON 24xx (A)

## ZNID INDOOR GPON ONT

Zhone's Indoor residential 24xx (A) Series GPON ONT is standard 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.



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

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 G.984.3:
WEIGHT	
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: Ethernet Bridging/Switching per IEEE 802.1D/802.1Q, Traffic Management (Priority Queuing and Traffic Shaping), QoS with Support for IEEE 802.1p + DSCP
12 VDC (DC Models), 100-240 VAC 50/60 Hz (AC Models), Max Power: 15W	
INTERFACES	VLANs: Per port IEEE 802.1Q VLAN ID Processing, VLAN tagging/untagging, VLAN Stacking (QinQ), VLAN Switching, SSID to VLAN Mapping
GPON: SC/APC Connector, full ITU-T G.984 Compliance	
GPON Tx: Upstream Data Rate 1.25 Gbps, 1310nm Optic, Launch Power: 0.5-5 dBm GPON Rx: Downstream Data Rate: 2.5 Gbps, 1490nm Optics, Receiver Sensitivity: -27 dBm, Input power Overload: -8 dBm Ethernet: RJ-45 Jack, 4x10/100/1000 Base-T, Meets IEEE 802.3 Specifications, Auto-MDI/MDIX and Auto Speed supported POTS: 2xRJ-11 Connector	IPTV: IGMP v2/v3 Snooping, VLAN Support
WiFi: dual Antenna, 802.11b/g/n	
RF Video Overlay: 1xF-Type Connector, RF Output Level 18 dBmV/ch, Total RF Output Power 36 dBmV, RF Passband: 46 MHz-870 MHz	Layer 2: 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
WIRELESS SUPPORT	
2x2 MIMO	
SSID Support: 4	
Max Number of Subscribers: 64	

Maximum tx Power: 300 mW	IP Routing and Firewall: PPPoE, NAT/NAPT, Port forwarding, DHCP Server, DNS Server
Antenna: 5dBi	
WEP, WPA-PSK, WPA2-PSK (AES, TKIP)	
802.1x	<b>MANAGEMENT</b>
64 Bit and 128 bit WEP Support	OMCI
MAC Address Filtering, DDNS	Web UI
<b>STANDARDS SUPPORT</b>	CLI
GPON: ITU-T G.984 compliant	SNMP
<b>VOICE SUPPORT</b>	<b>BANDWIDTH/DISTANCE</b>
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,	<b>REGULATORY COMPLIANCE</b>
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,	<b>OPERATING REQUIREMENTS</b>
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	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