

Integrated Access Device Family

Fiber IAD gateway with 4 port switch and 2 port FXS (SIP)

GW421F, GW421FW



The GW421F is a single mode Fiber and VoIP-based IAD (Internet Access Device), which is designed to interoperate with end-to-end fiber from major vendors to meet the worldwide market requirements of triple-play services. It is Class 1 laser product complying with EN 60825-1. The integrated Ethernet switch features automatic crossover-correction and auto-negotiation for easy connection to user's PCs or LAN environment. The GW421FW model also features a built-in 802.11g WLAN which brings relief to those troublesome wirings. Two lines of telephony service are provided using VoIP technology with SIP and MGCP signaling protocol.

Features

- Fiber interface supports up to 100 Mbps downstream and 100 Mbps upstream rates
- Integrated four-port Ethernet switch with automatic speed-sensing and crossover correction
- 802.11b/g WLAN supports up to 54 Mbps transmission rate
- Secures transmitting encryption by either 802.1x; WEP; WEP2; WPA; WPA2; TKIP; AES; 802.11i
- One FXO port for failsafe lifeline, two FXS ports for VoIP using POTS phone set
- Supports voice CODECs like G.711, G.726, G.729AB, BV16, ILBC, T.38 etc.; programmable G.168 echo cancellation, adaptive jitter buffer and packet loss concealment
- Voice activity detection (VAD), comfort noise generation (CNG) and caller ID
- DTMF tone detection and generation; Fax / Modem detection and pass-through
- Supports SIP signaling protocol and bonus services like call forwarding, call waiting, call transfer, call busy, call return, enquiry service, CLIP/CLIR and three way conference
- Supports Networking protocols such as PPP, NAT, Routing, DHCP server / relay / client
- Configuration and management by Web-browser through the Ethernet interface and remotely through WAN interface
- Firmware upgradeable through HTTP / TFTP
- Supports TR-069 and TR-104

Specifications

Ports	Connector : SC
Optical Interface :	Data rate : 100Mbps
	Duplex mode : Full duplex
	Cable type : SM 9/125µm
	Distance : WDM 20km
Electrical Interface :	Wavelength : T1310/R1550nm
	Connector : RJ45
	Data rate : 10Mbps, 100Mbps
	Duplex mode : Half / Full duplex
	Cable type : 10Base-T Cat.3, 4, 5, UTP, 100Base-TX Cat.5, 5e
	Distance : 100 meters
LEDs	Power, WAN, Internet, TEL1, TEL2, Ethernet, WLAN
Power	DC 15V In
Power Consumption	< 15W
Dimensions (D x W x H)mm	220x 165x 29mm
Weight	450g
Temperature	0~50°C (Operating) ,0~70°C (Storage)
Humidity	10~90% non-condensing
Certification	CE, FCC, RoHS
MTBF	57,000 hours

Ordering Information

- **GW421F** 4-port Ethernet 2-port FXS VoIP gateway w/ 100Base-FX
- **GW421FW** 802.11a/b/g wireless 4-port Ethernet 2-port FXS VoIP gateway w/ 100Base-FX