
KEY ATTRIBUTES

Router

- Home Gateway:
 - Layer 2 bridge and Layer 3 routing for High Speed Internet (HSI) data and IPTV video services
 - DHCP server options
 - DHCP (IPoE) and PPPoE network connections
 - Network Access Translation (NAT), public to private
- IP addressing
 - Configurable IP address schemes, subnets, static- IP addresses
 - DNS server
 - Bridge port assignment and data traffic mappings
 - Port forwarding
 - Firewall and security
 - Application and website filtering
 - Selectable forwarding and blocking policies
 - DMZ hosting
 - Parental controls, time of day usage
 - Denial of service
 - MAC filtering
 - Time/Zone support
 - Universal Plug-and-Play (UPnP)
- Wireless:
 - 2.4GHz and 5GHz, simultaneous dual-band
 - 5GHz 802.11ac certified, 802.11a/n compatible
 - 2.4GHz 802.11n certified, 802.11b/g compatible
 - WPA/WPA2
 - WPS push-button
 - WEP 64/128 bit encryption
 - Eight SSIDs per band with factory default SSIDs
 - MAC filtering
- Two voice lines:
 - FXS ports, ANSICarrier grade SIP VoIP
- Four Gigabit Ethernet (GE) interfaces:
 - Symmetrical 1 Gbps bandwidth for residential IPTV and data services
 - Multi-rate 10/100/1000 BaseT Ethernet, auto-negotiating
- USB port:
 - USB 2.0- Type A configured as a host interface
- Supports multiple data service profiles
- Traffic management and Quality of Service (QOS):
 - 802.1Q VLANs
 - 802.1p service prioritization
 - Q-in-Q tagging
 - Multiple VLANs
 - DiffServ
 - Pre-defined QOS on service type
- IPTV, IGMPv2, future support of IGMPv3:
 - IGMP Snooping and Proxy
 - IGMP Fast Leaves
- Calix Consumer Connect
- Gateway Management:
 - TR-069
 - Local Home Gateway GUI, access provisionable
 - Remote WAN side GUI access
 - Default username/password
 - Set-up persistence, factory reboot support
- Indoor mounting:
 - Wall and Structured Wiring Enclosure (SWE) mount with fiber management
 - Desktop mounting stand
- AC to 12 VDC power adapter available for non-life-line services.

SPECIFICATIONS

Router

DIMENSIONS

Width: 7.9 in (20.0 cm)
Height: 10.6 in (26.9 cm)
Depth: 1.8 in (4.6 cm)
Weight: 28 oz. (.8 kg)

WAN INTERFACE

Interface: One 10/100/1000
BASE-TX Ethernet Port, RJ-
45 connector

INTERFACES

Wireless: 2.4GHz 2x2 and 5Hz 4x4
internal antennas
Telephony: Two RJ-11 connectors
Data/IPTV: Four 10/100/1000 BaseT
Ethernet ports, RJ-45
connectors
USB: USB 2.0 Type A
Power: 2-pin connector
Power Switch: Push-button
actuator

TELEPHONY

General: SIP VOIP
Number of lines: 2
RENs per line: 5 maximum
RENs per unit: 10 maximum
Drop length: Maximum 500 feet
(152.4 m)
DS0 Output: 23.5 mA

DATA

Drop length: 328 feet (100 m)
maximum using CAT5 cable
Auto MDI/MDIX crossover for

1000BASE-TX, 100BASE-TX, and
10BASE-T ports
Traffic Management and QOS:
802.11Q VLAN; 802.11p
voice, video, data and man-
agement priorities; Q-in-Q
tagging;

WIRELESS

2.4GHz 802.11 b/g/n 2x2 MIMO,
high-power
5GHz 802.11 a/n/ac 4x4 MU-MI
MO, implicit/explicit
dynamic beamforming
2.4GHz and 5GHz simultaneous
8 SSIDs per band (2 SSID
subscriber default)
Auto channel selecting and
interference detection
WPS, WPS push button
Wireless Security: Wi-Fi protected
access (WPA/WPA2) WEP,
MAC address filtering
Wi-Fi multimedia (WMM)

REMOTE MANAGEMENT

TR-069 remote management
TR-064 CPE management
TR-098 Internet Gateway Device
Data Model

ENVIRONMENTAL

Operating temperature: Indoor
ambient temperature, 0° to
40°C (32° to 104° F)

Operating/storage relative
humidity: 8 to 95 %
non-condensing
Altitude: -200 to 10,000 feet (-61
to 3,048 m) above sea level

CERTIFICATION AND COMPLIANCE

Emissions: FCC Part 15 Class B IC
ICES-003 Class B CISPR-22
Safety: UL 60950 and UL 1697
approved
IEEE: 802.3, 802.3AB, 802.3U,
802.11p, 802.11Q
Wi-Fi Alliance Certified 802.11ac
and 802.11n



USB-IF Compliance USB 2.0



POWERING AND ALARMS

2-pin connector
Input voltage: 12 VDC (nominal), 10
VDC (min.), 15 VDC (max)
External Power Adapter: 12 VDC,
2.5 A
Power Switch