

Specifications

Hardware

5 x 10/100/1000T (RJ-45)
 2 x VoIP FXS ports (RJ-11)
 1 x 100/1000BX single-strand single-mode
 1 x USB slave for console
 1 x USB host

Optical Interfaces

IEEE 802.3ah 100/1000BX-U single-strand single-mode (SC)
 (20 km): TX 1310 nm; RX 1550 nm
 Max sensitivity -23 dBm
 Max input power -3 dBm
 Max output power -2 dBm

Ethernet

Layer 2 wire-speed packet switching
 Tag-based IEEE 802.1Q VLANs (max 32)
 IEEE 802.1Q tag insertion and stripping
 Port mirroring of ingress/egress traffic
 DHCP client, server and relay
 4K MAC address FDB

WAN Protocols

PPPoE (future)
 Global IP address pool
 DNS proxy
 Static and dynamic IP address assignment

Routing and Multicast

PPP and IP routing
 RIPv1 and v2 (future)
 IGMPv2, v3
 IGMP snooping
 IGMP proxy

Security

NAT
 Stateful Inspection Firewall
 Dynamic port opening
 Access Control List
 IPSec/VPN pass through
 PAP/CHAP authentication (future)

QoS

IEEE 802.1p prioritization
 Programmable ingress/egress rate limiting
 Four QoS queues per port
 DSCP/ToS

VoIP Protocols

SIP 2.0
 MGCP/NCS 1.0

VoIP Features

G.711 a-law and μ -law 64kbps
 G.729 8kbps
 G.726 16/24/32/40kbps
 G.168 ECAN 8-32 msec
 T.38 fax relay
 RTP voice packet encapsulation
 Automatic fax/modem detection
 Voice Activity Detection (VAD)
 Comfort Noise Generation (CNG)
 Packet loss concealment
 Adaptive jitter buffer

5 REN
 Caller ID
 Call transfer
 Call forwarding (unconditional, on busy, on no answer)
 Call waiting
 Call hold
 Message waiting
 3-way call (local RTP MUX future)
 DTMF relay
 RFC 2833

Management

AlliedView NMS
 Telnet
 Remote software upgrade
 Web GUI
 CLI
 SNMP v1, v2
 TR-069

Status LEDs

Power
 WLAN Link/Activity
 Link Link/Activity
 VoIP Use/Activity
 LAN Link/Activity

Power Characteristics

Typical power consumption: 18W
 External power supply
 Input: 100-240V AC, 50-60 Hz
 Output: 12VDC, 1.5A

Environmental Specifications

Operating temperature 0°C to 40°C (32°F to 104°F)
 Max operating humidity 80% relative humidity
 (non-condensing)
 Storage temperature -20°C to 70°C (-4°F to 158°F)
 Max storage humidity 95% relative humidity
 (non-condensing)

Physical Characteristics

Dimensions (W x D x H) 24 cm x 15 cm x 4.5 cm
 (9.5 in x 5.9 in x 1.8 in)
 Weight 400 g / 14 oz

Approvals

CE and UL marking
 Safety IEC/EN60950-1
 UL 60950-1
 EN60825-1
 CAN/CSA-C22.2 No 60950-1-03
 Emission FCC Part 15 Class B
 EMC Directive 2004/108/EC
 EN 55022 Class B
 EN 300 386
 Immunity EN 55024

Ordering Information

AT-iMG1505-xx
 FTTH multiservice gateway

AT-iMG1525-xx
 FTTH multiservice gateway with POTS
 1 x 100/1000BX, 5 x 10/100/1000T, 2 x FXS,
 1 x USB host, 1 x USB slave (includes AT-iMG001
 fiber outlet with locking mechanism)

Related Products

AT-iMG001
 Fiber outlet with locking mechanism (10 pieces)

AT-iMG008-xx
 Battery backup

AT-iMG016
 Battery backup cable

Where xx = 10 for U.S. power supply
 20 for U.K. power supply
 40 for Australian power supply
 50 for European power supply