



AT-iMG624-R2 ADSL Multiservice Gateway

AT-iMG624A-R2

1 x Annex A ADSL2+, 4 x 10/100TX

A More Powerful ADSL Gateway

The AT-iMG624-R2 ADSL gateways provides an evolution to the iMG624 family, with enhanced performance.

The Multiservice Gateway

The iMG624-R2 intelligent Multiservice Gateways provide multiple IP-based broadband services to the home over a high-speed, always-on broadband connection. The combined delivery of video and data - benefits both service providers and their customers. Service providers can quickly deliver advanced services such as fast Internet, IPTV and Video on Demand in a scalable way with complete remote management. End users benefit by having a unique device interconnecting all peripherals, computers, to a single broadband uplink.

IP Television

The iMG600 family is optimized for IP video streaming. The iMG 'snoops' IGMP packets in-transit allowing simultaneous delivery of different multicast transmissions such as different movies or TV channels. This enables multiple high quality, high bit-rate video streams without impacting data traffic or IP telephony while delivering the fast channel change that users expect from video services. MPEG video service management and diagnosis is possible through dedicated commands and video quality can be monitored using Allied Telesis' unique MPEG stream monitoring tool.

Data Delivery and Security

The iMG600 family supports industry leading Quality of Service (QoS) through ISO Layer 2 and 3 prioritization techniques including priority tagging with IEEE 802.1p, Type of Service and DSCP fields. The extensive support for per port rate-limiting in the iMG600 series enables service providers to deliver tiered data services for the wide spectrum of end customer profiles, providing maximum flexibility in service differentiation.

Security is assured by an integral Stateful Inspection Firewall with NAT and an Intrusion Detection System (IDS) to protect end-users' networks from Denial of Service (DoS), port scanning and Web spoofing.

Management and Deployment

The iMG600 series is designed to be easy to deploy and manage. With the AlliedView™-NMS software platform, the iMG600 series can be remotely provisioned and managed.

Key Features

- ADSL2+ WAN interface
- Stateful Inspection Firewall / NAT
- DMZ support
- Access Control List (ACL)
- Intrusion Detection System: DoS, port scanning and Web spoofing protection
- AlliedView-NMS support
- RoHS compliant



Specifications

Hardware

4 x 10/100TX (RJ-45)

1 Annex A ADSL2/2+ (RJ-11)

Ethernet

Layer 2 wirespeed packet switching
Tag-based IEEE 802.1Q VLANs (16 max.)
IEEE 802.1Q tag insertion and stripping
Port mirroring of ingress/egress traffic
DHCP client, server and relay
1,000 MAC address FDB

WAN Protocols

PPPoE, PPPoA, IPoA
RFC 1483 routed and bridged
Virtual
Global IP address pool
DNS
Static and Dynamic IP address assignment

Routing and Multicast

PPP and IP
RIPv1 and v2
IGMPv2
IGMP

Security

NAT
Stateful Inspection Firewall
Dynamic port opening
Intrusion Detection and Blocking System
Access Control List
IPSec/VPN passthrough
PAP/CHAP authentication

QoS

IEEE 802.1p prioritization
Programmable ingress/egress rate limiting
Double QoS queue on each port
DSCP/ToS

Management

AlliedView NMS
Telnet
Remote software upgrade
Web GUI
CLI
SNMP v1, v2 and v3

Status LEDs

Power	
System	
ADSL	Training/Link
LANx4	Link/Activity

Memory

RAM:	32 MB
Flash:	8 MB

Power Characteristics

External power supply
Input: 100-240V AC, 50-60 Hz
Output: 12VDC, 1.25A
Typ. power consumption: 13W

Environmental Specifications

Operating temperature 0°C to 45°C
Max operating humidity 90% RH (non-condensing)
Storage temperature -25°C to 70°C
Max storage humidity 95% RH (non-condensing)

Physical Characteristics

Dimensions 15.2cm x 4.5cm x 2.1cm
(W x D x H)

Weight 440 g

Approvals and Certifications

CE EN 50385:2002
EN 300 386 v1.3.2 (2003-05)
EN 301 489-1 v1.6.1 (2005-09)
EN 301 489-17 v1.2.1 (2002-08)

FCC FCC part 68
FCC part 15B

UL

Ordering Information

AT-iMG624A-R2 (990-002675-xx)
1 x Annex A ADSL2+, 4 x 10/100TX

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

AT-iMG005G (990-001354-xx)
Battery backup

USA Headquarters | 19800 North Creek Parkway | Suite 100 | Bothell | WA 98011 | USA | T: +1 800 424 4284 | F: +1 425 481 3895

European Headquarters | Via Motta 24 | 6830 Chiasso | Switzerland | T: +41 91 69769.00 | F: +41 91 69769.11

Asia-Pacific Headquarters | 11 Tai Seng Link | Singapore | 534182 | T: +65 6383 3832 | F: +65 6383 3830

www.alliedtelesis.com

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