

MY0224

IAD, VOIP, ADSL, WI-FI



Ideal solution for intergrating high-quality voice and data service over IP networks for SOHO at superior cost savings.

Compatible and interoperable with most standardbased ZDSLAs and SoftSwitches.

Mixed voice ports configuration allows Operators to optimise their offer while guaranteeing the best suited solution to their customers.

OVERVIEW

The MY0224 IAD solution provides VoIP, Wlan 802.11b/g and full Ethernet bridge and router functionality and proven Adsl/Adsl2/Adls2plus performance and combines an "always-on" high speed connection to the telephone line, and Ethernet connection to a host PC or Ethernet hub into a single cost-effective solution.

MY0224 IAD Router with full compliance to T1.413.i2, G.992.1, G.992.2 (G.lite), G.992.3 (G.dmt.bis/ADSL2), and G.992.5 (ADSL2plus), and support for Annexes A, B and C for DSL. SIP voice protocol and 802.11b/g wireless lan standard.

FEATURES AT A GLANCE

- ADSL2plus line interface;
- Tool-quality voice services;
- G.711 (A-law, m-law), G.729, G.723, G.726;
- Compatibility with analogue Mysui equipment including fax machines;
- Voice over IP SIP 2.0 based and T.38 support;
- Remote management and diagnostic features;
- 10/100Base-T Ethernet interface;
- Routing and bridging functionalities with NAT/NAPT;
- DNS and DHCP server/client functionalities;
- VPN and firewall capability;

WIRELESS LAN 802.11G

- Fully integrated IEEE 802.11g-compliant MAC, baseband, and modem functions;
- Supports 802.11g data rates of up to 54 Mbps with automatic fallback to 48, 36, 24, 18, 12, 9, and 6 Mbps;
- Supports 802.11b data rates of up to 11 Mbps with automatic fallback to 5.5, 2, and 1 Mbps;
- OFDM modulation with full-duplex MAC and half-duplex baseband;
- DBPSK, DQPSK and CCK modulation with full-duplex MAX and half-duplex base-band (BB);
- Multiple radio interfaces;
- Supports long and short preamble modes;
- Resistant to adjacent channel and co-channel interference;
- Supports 64 and 128-bit WEP, WPA, and 802.1x, WPA2;
- Support 802.11e Quality of Service (QOS);

REMOTE MAINTENANCE

MY0224 also offer a number of remote maintenance features, including diagnostics for user ports.

IP FUNCTION

- IP Routing
- RIPv1, RIPv2;
- Enhanced Network Address and Port translation (NAPT) engine;
- DHCP Server/Client, DHCP Learning ;
- Stateful Packet Inspection for Denial of Service attacks;
- IP Service
- DNS Server/Forwarder;
- VPN: GRE, IpinIP, PPTP server/client;
- ICMP, Telnet, TFTP;
- Layer 3 QoS according to DiffServ model (RFC2474, RFC2475);

ETHERNET SERVICE

- MAC Bridging (802.1D);
- VLANs (802.1Q and 802.1p) Priority based queuing;

ACCESS PROTOCOLS

- PPP over Ethernet (RFC2516);
 - PPP over ATM (RFC 2364);
- ### ATM SERVICE
- Up to 8 VCCs;
 - Class of Service;
 - CBR
 - VBR
 - UBR
 - GFR

AUTHENTICATION

- Client side PAP/CHAP/MS-CHAPv2 authentication;
- user and administrator access levels to configuration facilities;

MANAGEMENT & CONFIGURATION

- SNMPv1, SNMPv2 Agents;
- Embedded web server;
- Embedded telnet server;
- Extensive Command line interface (remote via telnet);
- Embedded file system (configuration and firmware upgrade);
- Windows® based wizard for configuration and firmware download;

ENVIRONMENTAL RANGE

- Operating temperature: 0° to 40°C (- 32° to 104° F);
- Non Operating temperature: -35° to 70°C (-31° to 158°F) ;
- Operating humidity: 0 to 95% non condensing;

POWER

- Input Voltage 230 Vac;
- Plug in power supply : plastic case with 54X80X65 mm;

INTERFACES

- ADSL interface;
- FXS ports (2);
- FXO port (1);
- PSTN port (1) life line;
- Ethernet 10/100bT (4);
- WLAN 802.114;

LED INDICATORS

- Power;
- Ready;
- ADSL Line;
- ADSL ACT;
- LAN (4) LINK/ACT;
- WLAN;

PHYSICAL INTERFACES

- POTS terminated with RJ-11 ;
- Ethernet 10BaseT interface terminated with a RJ-45;

ADSL NETWORK INTERFACE

- ITU-T G.992.1 ;
- ITU-T G.992.2;
- ITU-T G.992.3;
- ITU-T G.992.5;

VOICE INTERFACE

- POTS
- Compliant to Q.552 requirements;
- Port impedance: real 600Ω or complex Euro values;
- Low distortion ringing voltage;
- Diagnostic features;

VOICE PROCESSING

- Voice Codes;
- ITU-T G.711 (A-law, m-law);
- ITU-T G.729a, G.4723, G.726;
- Transparent pass-through;
- Up to 2 compressed (G.729) or uncompressed (G.711) voice calls;
- ITU-T G.165/G.168 echo cancellation;
- Voice Activity Detection and Confort Noise Generation;
- RTP/RTCP (RFC 1889);

FAX AND MODEM SUPPORT

- Automatic G.711 Fax and Modem bypass;
- T.38 fax relay;

AUTHENTICATION

- Basic and Digest schemes (RFC2617)

SIGNALLING

- SIP 2.0 according to RFC 3261 (TCP or UDP transport);
- DMTF detection and carrying (RFC2833);
- Local generation of:
 - Dial tones;
 - Ring back tones (180 Ringing reply);
 - Call Waiting tones;
 - Busy tone;
 - Fast Busy tone;

SUPPLEMENTARY SERVICES¹

- Locally managed² or Softswitch-based
- Call hold
 - Consultation call
 - Call waiting
 - Call Forwarding
 - Caller Identity Presentation (CLIP) (DTMF and FSK based)
 - Identity restriction
 - Call transfer
 - 3party conference

ACCESSORIES



¹ Supplementary Service management is not yet fully standardised by international bodies and their implementation could be subject to revisions.

² Depending on the specific service, a common implementation between the IAD and Softswitch needs to be agreed.

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