



Description

The all new Mitron M100 is a powerful WLAN VOIP IAD (Integrated Access Device), providing predictable, real-time, toll-quality voice over the internet. Developed with ADSL2/2+ broadband technology the M100 offers residential and business users easy access to the internet via WLAN or Ethernet, also providing VOIP via standard analogue telephone handsets.

The Mitron M100 allows calls to be routed to anywhere in the world - significantly reducing or eliminating long distance call charges. You can even make phone calls when your PC is turned off.

The M100 supports policy based QoS on layer 3, which provides high quality voice service. It also provides a cost effective solution to combine all your network and telephony needs in one device.

M100 uses the very latest Broadcom chipset for maximum compatibility & reliability. Service Providers have access to a standard TR-69 client in the M100 for standardised Auto Provisioning. Alternatively, a customised Auto Provisioning System is available from Mitron.



ADSL2+



FIREWALL



PLUG & PLAY



WIRELESS



VOIP 2 X FXS



BROADCOM



ETHERNET



PSTN LIFELINE



WARRANTY

Features

ADSL2/2+ VOIP & Router Integrated
WLAN 802.11g & 802.11b
Lifeline, PSTN Active When Power Off
000 Emergency Call
QoS (Quality Of Service) for Voice
Direct Number Dialling
Internet Parental Control

Caller ID Display & Control
Call Hold Function
Call Waiting Control
Call Forward Control
Call Transfer
Call Conference 3 Way
Dialplan Setup Control

Hotline Control
T.38 Fax Protocol
Multiple Voice CODEC's G.729, G.711
VPN Passthrough
Remote Administration
Auto Provisioning Capable
TR-69 Protocol Standard

Annex A
4 x 10/100 LAN Ports
20dB (100mW) WLAN Power
2 x FXS Port
1 x FXO Port
1 x ADSL Port
11 x LED's On Front Panel

Specifications

WAN Interface

ADSL Standard	ITU-T G.992.5, ITU-T G.992.3, ITU-T G.992.1, ITU-T G.992.2, ANSI T1.413 Issue 2	
G.992.3 (ADSL2)	Downstream: Up to 12 Mbps	Upstream: 1.3 Mbps
G.992.5 (ADSL2+)	Downstream: Up to 24 Mbps	Upstream: 1.3 Mbps
AnnexM, Annex L		

LAN Interface

Ethernet x 4

WLAN

Standard	IEEE802.11g, Backward compatible with 802.11b
Encryption	64, 128-bit Wired Equivalent Privacy (WEP) Data Encryption
Channels	11 Channels (US, Canada)/ 13 Channels (EU/AUS)/ 14 Channels (Japan)
Data rate	Up to 54Mbps
MAC address filtering, WEP, WPA, IEEE 802.1x	
10, 25, 50, 100mW @ 22MHz channel bandwidth output power level can be selected according to the environment	

Analog Interfaces

FXS x 2, FXO x 1

ATM Attributes

RFC 2364, RFC 2684 (RFC 1483) Bridge; RFC 2684 (RFC 1483) Route; RFC 2516; RFC 1577	
VCs	8
AAL type	AAL5
ATM service class	UBR/CBR/VBR
ATM UNI support	UNI3.1/4.0
OAM F4/F5	Yes

Management

TR-069,SNTP, ILMI 4.0, Telnet, Web-based management, Configuration backup and restoration
Software upgrade via HTTP, TFTP client and server, or FTP server,SNMP

Bridge Functions

Transparent bridging and learning	IEEE 802.1d
IGMP proxy	Yes
IGMP snooping	Yes

Routing Functions

Static route, RIP, and RIP v1, v2, NAT/PAT, DHCP Client/Server/Relay, DNS, ARP, UpnP, DDNS, DMZ

Security Functions

Authentication protocols	PAP, CHAP
VPN	PPTP/L2TP/IpSec pass-through
Stateful packet inspection, Packet filtering, Denial of service protection, Traffic conditioning, WFQ-based bandwidth Management, HTTP proxy	

QoS

L3 policy-based QoS, IP QoS, ToS, DSCP

Voice Functions

SIP	RFC 3261
Codec	G.711u, G.711a, G.729ab
RTP	RFC 1889
SDP	RFC 2327
Caller ID	ETSI based
Life line/Emergency call	Yes
Echo cancellation	G.168
Silence suppression	Yes
Dial Plan	
Internal Call	

Power

External power adapter Input: AC100-240V. Output: 15VDC / 1.6A

Environmental Conditions

Operating temperature	0 ~ 50 degrees Celsius
Relative humidity	5 ~ 95% (non-condensing)

Dimensions

205 mm (W) x 47 mm (H) x 145 mm (D)

Kit Weight (1*CT-6383, 1*RJ45 cable, 2*RJ11 cable, 1*power adapter)

0.96 KG

Specifications are subject to change without notice.

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