

# DATACOM



## DM-AP GT110

NEXT-GENERATION UNIFIED SECURITY

DATASHEET

# DM-AP GT110

## NEXT-GENERATION UNIFIED SECURITY GATEWAY

### FIREWALL FOR ENTERPRISE APPLICATIONS

The DM-AP GT110 Next-generation Unified Security Gateway is a multifunctional cloud-managed product that can operate as a network firewall and as a Wi-Fi controller.

Equipped with high-performance multi-core MIPS hardware architecture, the Gateway supports a wide range of features such as high-performance NAT, WAN load balancing, intelligent flow control, online behavior management, visualized IPsec VPN, web authentication, etc.

It has 1 Gigabit Ethernet WAN interface and 7 Gigabit Ethernet LAN interfaces, which support PoE/PoE+ up to 30W per port, enabling the DM-AP GT110 to supply power to devices through the Ethernet cable.

The DM-AP GT110 also functions as a Wi-Fi controller, allowing the management of up to 32 Access Points of the DM-AP family, including the DM-AP 610, 620 and 920 models.

The Next-generation Unified Security Gateway is also compatible with DmCloud along with wireless switches and access points, DmCloud can provide a secure and comprehensive network platform for centralized management, enabling device monitoring, configuration, and firmware management.

- Intelligent flow control and AAA integration
- User behavior management
- Free Cloud Management (DmCloud)
- Application cache for download acceleration
- 1 Gigabit Ethernet WAN Interface
- 7 Gigabit Ethernet LAN interfaces with PoE+ support

# TECHNICAL SPECIFICATION

## HARDWARE FEATURES

Item	Functionality	Description
Hardware Features	CPU	Multi-core MIPS
	Fixed WAN Interfaces	1x 10/100/1000BASE-T
	WAN/LAN interface	1x 10/100/1000BASE-T (PoE/PoE+) (IEEE802.3af/at)
	Interfaces LAN	6x 10/100/1000BASE-T (PoE/PoE+) (IEEE802.3af/at)
	Ethernet Operating Mode	Half-Duplex, Full-duplex or auto-negotiation. Automatic MDI/MDIX
	Console	Serial Console (RJ45)
	USB	USB 2.0 interface
	Flash	4GB EMMC
	RAM	512MB
Scalability		1000Mbps (1518 bytes)
	Performance	450Mbps (512bytes)
		70Mbps (64 bytes)
	Cache Capacity	750MB
	Maximum Concurrent Sessions	100.000
	Recommended concurrent sessions	300
	Portal Authentication Capability	100 simultaneous

## FEATURES

Item	Description
Types of Portal Authentication	Username and Password (Local and LDAP)
	One-click
	Voucher
Application Caching	Yes
Cache Sources	Android APK Files
Network protocols	TCP/IP: IP, ICMP, TCP, UDP, etc.
	Static Routing, RIPv1/v2
	VLAN Tag/Untagged, VLAN Trunking
	4096 VLAN support
	DHCP Relay / Server
	PPPoE Client
	NAT/NAT ALG, FTP, H.323, DNS
	ARP, Trusted ARP, Proxy ARP
Ping and Traceroute	


	Support 43 types of user-developed apps / more than 120 app features, customizable protocol ID
	P2P: BitTorrent, eMule, Thunder, EDONKEY, FlashGet & etc.
	Multimedia: YouTube, Facebook Video, WebEx Conference & etc.
	Social Media: Facebook, Twitter, LinkedIn, Pinterest & etc.
<b>Application Visibility</b>	VOIP/Chat: Skype, Viber, Google Hangout, Jabber, Facebook Messenger & etc
	Instant Messaging/Email: Gmail, MSN, QQ, YAHOO & etc
	Software Update: Window, McAfee, Kaspersky, ESET & etc.
	Cloud-based file collaboration: GoogleDrive, Dropbox, OneDrive, iCloud & etc.
	Enterprise Applications: HTTP, FTP, SMTP, POP3, IMAP, Telnet, LOTUS-NOTES, SQL Server, Oracle, Mysql, HTTPS & etc.
	Custom URL support
	Support for automatic updating of the remote HTTP URL library
	Changing URL categorization manually
	Customization of applications, websites and categories not registered, to create specific policies.
<b>Filters (URL, Applications, and Users)</b>	Application, user, and device classification
	Allow you to create integrated policies for web and custom application control.
	Local log storage (NAT log, traffic log, URL log, etc.)
	External log server storage support
	Wireless Intrusion Detection and Prevention Services (WIDS/WIPS), intrusion detection and blocking, with continuous monitoring
<b>WAN Load Balancing</b>	Support for up to 2 WAN interfaces
<b>IPsec VPN Tunnel</b>	16
	Anti-ARP Spoofing
	Defense against malicious attacks from internal and external networks
	Support for secure address binding
	WAN ping blocking
	Preventing Port Scanning Attacks
	Preventing Fragmentation Attacks
<b>Network Security</b>	Deep Packet Inspection (DPI)
	ICMP Flood Attack Prevention
	Teardrop Attack Prevention
	Ping of Death Attack Prevention
	SYN Flood Attack Prevention
	Land Attack Prevention
	Preventing Smurf / Fraggle attack
	Managed by the DmCloud management platform
	Support device health monitoring
<b>DmCloud Integration</b>	Support centralized configuration and backup changes
	Top 10 Applications and Users Traffic Analytics
	Firmware Lifecycle Management
	Support event-based alarm notification

Other features	Integration with AAA software to support multiple authentication modes
	Advertising page support
	Multi-link load balancing support
	HTTP online remote update support for signature library, software version, etc.
SIMET Meter	Free and lifetime subscription library update
Management	Onboard SIMET Meter: Download and Upload up to 500Mbps
	WEB interface (http/https)
	SSH, Telnet
Standards met	SNMP V2/V3
	IEEE 802.1q, IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3af, and IEEE 802.3at; 802.3ad, Anatel

## PHYSICAL CHARACTERISTICS

Item	Functionality	Specification
Dimensions	Height	43.6 mm
	Width	200 mm
	Depth	200 mm
	Weight	2kg
Power Supply	Input Voltage	Input 100-240V~,50-60Hz
	Maximum current	3A
Consumption Information	Power Consumption	<150W
	PoE Budget	135W
Climatic Conditions	Operating Temperature	0°C to 45°C
	Operating Humidity	10% to 90% non-condensing

# ORDERING INFORMATION

Model	Description	Photo
<b>DM-AP GT110</b> 825.8042.xx	DM-AP GT110 – Next-Generation Unified Security Gateway. Equipped with a total of 8 GE ports (up to 2 WAN and 7 LAN), it supports up to 7x POE/POE+. Offers features such as high-performance NAT, WAN load balancing, intelligent flow control, visualized IPsec VPN, web authentication, and more Includes rack-mount kit, recommended for scenarios with up to 300 concurrent users. Compatible with DmCloud for centralized management.	

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