

Product Specification

Cost-effective Unified Office Gateway

UMG-1000

Version 1.0

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Change History:

Revision	Date	Author	Change List
Version 1.0	2011/1/24	Brian Chen	Initial

Author	Brian Chen	Editor	Jonas Yang
Reviewed	Tom Shih	Project Leader	Tom Shih

PRODUCT DESCRIPTION

The PLANET UMG-1000 is a cost effective total IT solution for the small and medium business (SMB). It integrates commonly used office appliance features and provides Internet access, telephone, fax, data, and print services in one device. Built into the 4-Port FXO that allows you to connect to various Internet and telephone carriers.

Branch-to-Branch secured network and call features bring your remote offices together. The UMG-1000 facilitates sharing files safely between multiple office locations through secure channels. For VoIP functions, the users can call any extension from any remote location without paying local or long distance charge. Smart Wizard automatically adjusts your configuration and guides you through initial setup. The administrator can easily manage user accounts with privilege and access control. In the storage feature, the storage volumes can be created for individual users and groups within the corporate. The UMG-1000 is also as the Web and E-mail servers that are able to be set up with one mouse click. It provides schedule automated snapshot and backup tasks to prevent data loss. Besides the above functions, the extensive features include DMZ support, VoIP call control and Call Detail Record (CDR), Least Cost Routing (LCR), Busy Lamp Field (BLF), and Bridged Line Appearance (BLA), configuration backup and restore, secure remote management capabilities and many more.

PRODUCT FEATURES

IP PBX / VoIP Service

- SIP 2.0 (RFC3261)
- PSTN Support
- Call-Parking, Echo Cancellation
- FXO Disconnection Tone Detection
- QoS Support
- Music on Hold
- Telephone Conference, 3-Way Calling
- Voicemail to E-mail
- Forwards to Voicemail on No-Answer
- Supports Call Hold, Call Waiting
- Blacklist of Number Patterns
- Call Privilege Control, Call Log
- 450 Minutes Recording Time
- Unconditional, Unavailable, Busy Call Forward
- Fax Server Support
- Multiple SIP Trunk Support
- Upload Sound Files for IVR
- Least Cost Routing (LCR)
- Busy Lamp Field (BLF)

E-mail Service

- Supports POP3, SMTP, IMAP
- Secured Socket Layer (SSL)
- Junk Mail Filtering
- E-mail Storage Quota
- E-mail Alias Group Assignment
- Mail Attachment Size Restriction
- User E-mail Storage Quota
- E-mail Log Record Management
- Anti-Virus and Anti-Spam
- Auto Backup, Auto Reply
- E-mail White and Black list Based on Domain
- Name, User Name, and E-mail Address
- Supports Web Mail

- Supports Mail Service via DDNS

Internet Security Service

- Static IP, PPPoE, DHCP, PPTP, L2TP
- Web Content Filter by Domain and Keyword
- Access Control List (ACL)
- URL / IM / P2P Blocking
- Firewall / NAT
- IPSec / PPTP / L2TP Pass-through
- DoS Attack Protection (TCP SYN Flood, UDP Flood, ICMP Flood, Ping of Death)
- UPnP and DMZ
- Site-to-Site SSL VPN
- PPTP VPN Remote Access
- RIP / Static Route
- IP-MAC Binding

Network Storage Service

- Up to 1.5TB Hard Disk
- Supports User Network Storage Quota
- Compatible Windows 2000 / XP / Vista, Mac, Linux
- Scheduled Auto Backup, Auto Snapshot
- Support User / Group Privilege ACL

System Management

- Single Point of Management
- System Logging with E-mail Alert
- Fast Recovery with Remote Service
- Environment Monitoring
- Dynamic Domain Name Services (DDNS)
- Multiple Domain Name Support
- Multiple Hostname Support

PRODUCT SPECIFICATION

Main Component

Main Chipset:	Intel Atom 510 Dual Core 1.66GHz
LAN Chipset:	Intel 82574L
PBX Model:	Yeastar TD400
RAM:	1 GB

Functional Specification

Product	Cost-effective Unified Office Gateway
Model	UMG-1000
Hardware Specification	
Case	Desktop placement
WAN	1 x RJ-45 (10/100/1000Base-TX, Auto-Negotiation, Auto MDI/MDI-X)
LAN	3 x RJ-45 (10/100/1000Base-T, Auto-Negotiation, Auto MDI/MDI-X)
SATA support	1-Port SATA Controller (For SATA I, SATA II Hard Disk)
Hard Disk support	1 x SATA 2.5" internal Hard Disk (up to 1.5TB)
Voice	4 x RJ-11 (4 x FXO)
USB	2 x USB2.0 (future feature)
CF slot	1 x On-board CompactFlash socket
Console	RJ-45 port (future feature)
LED Indicators	1 x PWR LED 1 x Internet LED 1 x WAN LED 3 x LAN LED
Software Specification	
VoIP	SIP protocol - SIP 2.0 (RFC3261,RFC2833) Registration - Max. 100 nodes Calls - Max. 30 concurrent calls Voice Compression Code Technology - G.711, G.726 Video Compression Code Technology - H.261, H.263, H.263+, H.264 Echo Cancellation - G.165/G.168 Gain Control - In/Out +/-6db Voice Processing - Voice Activated Detection - DTMF Detection/Generation - G.165/G.168 Echo Cancellation (ECN)

	<ul style="list-style-type: none"> - Comfort Noise Generation (CNG) - Gain Control
IP PBX	<ul style="list-style-type: none"> - Support call hold, call waiting, 3-way call conference with feature phones - Built-in in-line call transfer - Unconditional, unavailable, busy call forward, custom time of no answer - Per-calling-number forward and rejection - Group-based call pick-up - Call-parking - Inter-PBX SIP Trunking - Multi-room meet-me conference - Auto-attendant - Voice mail system - Call privilege grouping - FXO interface for PSTN Inbound/outbound - FXO disconnection tone detection - Caller ID detection - In-band/RFC2833/SIP-INFO DTMF translation - Music on hold (MoH), user upload MoH - Direct line Outbound - User upload IVR
Voicemail	<ul style="list-style-type: none"> - User PIN - 450 minutes for personal record - E-mail notification - Personal reception on unavailability - Reply call or new call in voicemail menu
E-mail	<p>Protocol</p> <ul style="list-style-type: none"> - POP3,IMAP,SMTP <p>Support accounts</p> <ul style="list-style-type: none"> - 100 users <p>Email Security</p> <ul style="list-style-type: none"> - Secured Socket Layer (SSL) <p>Anti-Virus</p> <ul style="list-style-type: none"> - ClamAV <p>Anti-Spam</p> <p>Junk mail block</p> <p>Mailbox size Limit</p> <ul style="list-style-type: none"> - 200M/500M/1G/2G/No Limit <p>Attachment</p> <ul style="list-style-type: none"> - 2M/5M/10M/20M/50M/No Limit <p>White & Black List</p> <ul style="list-style-type: none"> - Share/User/Domain security modes <p>Email Backup</p> <ul style="list-style-type: none"> - Auto-Backup
Network Storage	<p>Data Sharing</p> <ul style="list-style-type: none"> - Windows Network Sharing, NFSv3
Security	<p>Network Security</p> <ul style="list-style-type: none"> - DoS attack Prevention <p>VPN Max. connection</p> <ul style="list-style-type: none"> - 100 PPTP VPN tunnels - 8 Site-to-Site SSL VPN tunnels <p>VPN pass-through</p> <ul style="list-style-type: none"> - IPSec, PPTP, L2TP pass-through <p>Internet Security</p> <ul style="list-style-type: none"> - Domain/Keyword Content Filter, Access Control

Other Protocol / Function	- IP-MAC Binding
	Protocol - TCP/IP, NAT, DHCP, HTTP, DNS, NTP, HTTPS, CIFS/SMB, NFSv3 Internet Access - Static IP, PPPoE, DHCP, PPTP, L2TP DMZ UPnP QoS DDNS Multiple Domain Name
Management	- Web based GUI management - Firmware upgradeable via local

Physical Specification

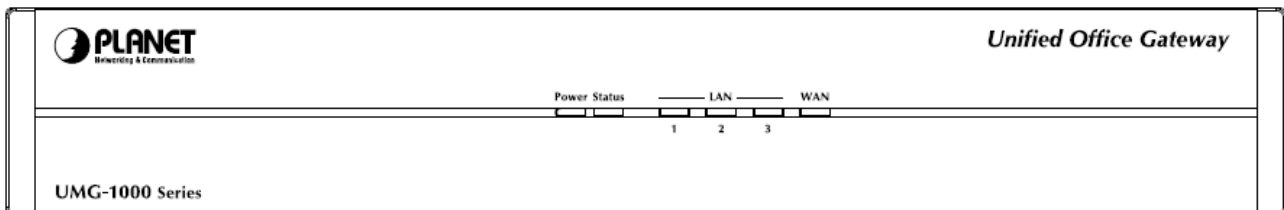
Dimensions

272 x 195 x 44 mm (W x D x H)

Weight

2 kg

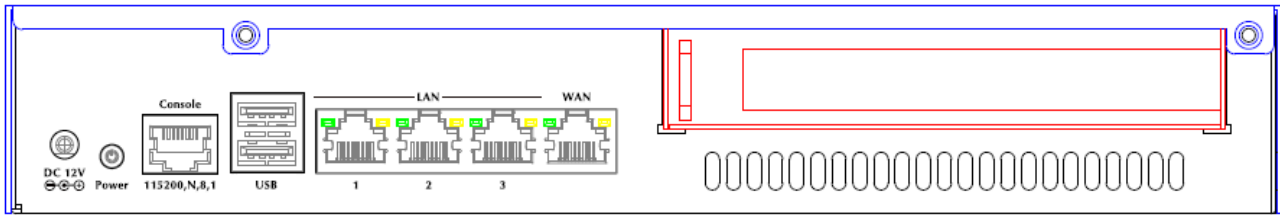
Front Panel



LED Definition

LED	ON/OFF	Description
Power	On	Power On
	Off	Power Off
Status	Flash	System operating
WAN	On	Connect to WAN port
	Off	Disconnect to WAN port
LAN	On	Connect to 1~3 LAN ports
	Off	Disconnect to 1~3 LAN ports

Rear Panel



Port Definition

Port	Description
DC 12V	DC 12V, 3.75A
Power	Power ON/OFF button
Console	Use RJ-45 to RS-232 console cable for engineer maintenance (future feature)
USB	2 x USB2.0 (future feature)
LAN	3 x RJ-45 10/100/1000Base-T, Auto-Negotiation, Auto MDI/MDI-X
WAN	1 x RJ-45 10/100/1000Base-T, Auto-Negotiation, Auto MDI/MDI-X
Voice	4 x RJ-11 (4 x FXO)

Environmental Specification

Operating

- Temperature: 0 ~ 40 Degree C
- Relative Humidity: 10 ~ 90 % (non-condensing)

Storage

- Temperature: -20 ~ 75 Degree C
- Relative Humidity: 10 ~ 90 % (non-condensing)

Regulatory Compliance

- FCC Class B
- CE

Reliability

- MTBF > 50,000Hrs @25degree C MIL-STD-781C

BASIC PACKAGING

- UMG-1000 Unit x 1
- Power Cord x 1
- Power Adapter x1
- CD-ROM x 1
- Quick Installation Guide x 1
- HDD accessories package x4
- RJ-45 to RS-232 Console cable x1

PACKAGING INFORMATION

Box Dimension

417 x 285 x 139 mm (W x D x H)

Carton Dimension

430 x 297 x 162 mm (W x D x H)