

Unified Office Gateway



The PLANET Unified Office Gateway series provides a total IT solution for the small and medium business (SMB). It integrates commonly used office appliance features and provides Internet Access, IP PBX, Fax / E-mail server, data storage and print server services in one device. The UMG-2100 is a new model of the PLANET Unified Office Gateway series and equipped with built-in 24-Port Fast Ethernet plus 2-Port Gigabit Ethernet Switch, Wireless Access Point, and 1-Port T1/E1 application. It allows you to connect to various Internet and Integrated Services Digital Network (ISDN) carriers.

Via the 1-Port T1/E1 interface, the UMG-2100 provides a feature-rich IP PBX system that supports seamless communications between existing ISDN calls, IP phones and SIP-based endpoints. Branch-to-Branch secured network and call features bring your remote offices together. The UMG-2100 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-2100 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, 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.

KEY FEATURES

IP PBX / VOIP SERVICE

- SIP 2.0 (RFC3261)
- ISDN PRI Support
- Call-Parking, Echo Cancellation
- ISDN disconnection tone detection
- QoS Support
- Music on Hold and Upload Music Files for MoH
- 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)
- Bridged Line Appearance (BLA)

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

- RAID 0, 5, 10, and JBOD
- Up to 4TB Hot-swap Disk Array
- Supports User Network Storage Quota
- Compatible Windows 2000 / XP / Vista, Mac, Linux
- Scheduled Auto Backup, Auto Snapshot
- Supports 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

WIFI SERVICE

- 1 x 802.11b/g/n Wireless Access Point
- 2 x RP-SMA Detachable Antenna
- Security: WEP / WPA / WPA2
- SSID
- Wireless 802.1x Authentication

24+2G SWITCH SERVICE

- IEEE 802.1d Spanning Tree
- IGMP Snooping

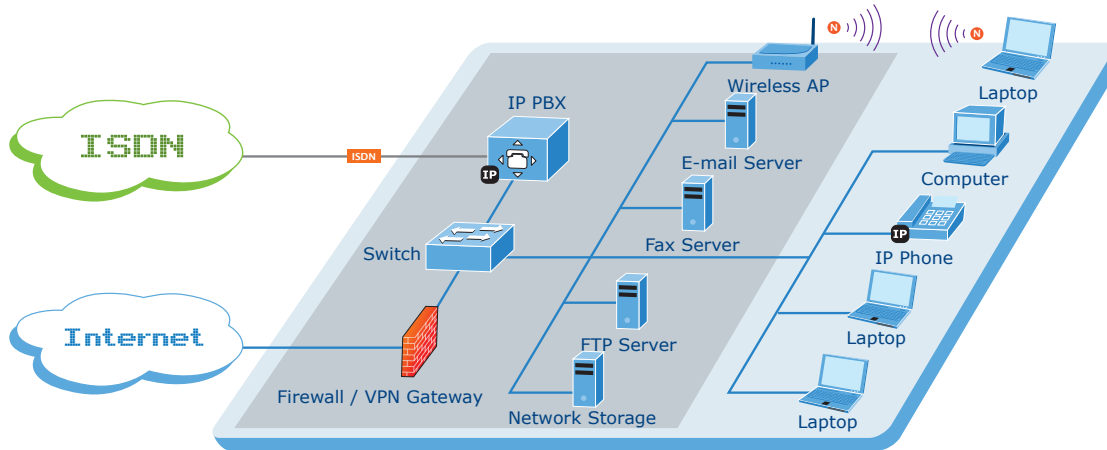
APPLICATIONS

Highly Integrated IT Services

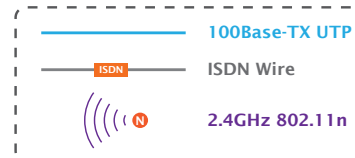
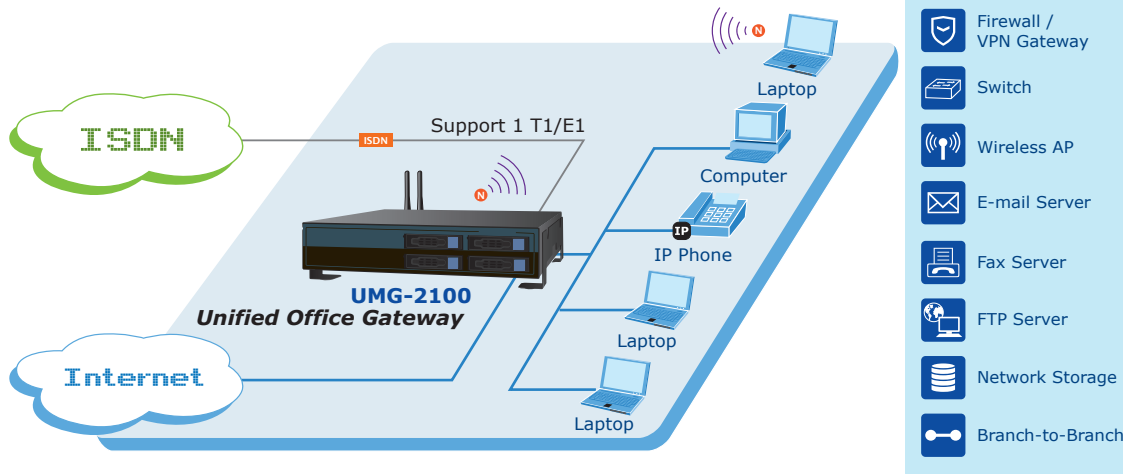
Providing IP PBX / VoIP, Internet Security, E-mail / FAX Server, Switch, Wireless AP, and Network Storage service, the UMG-2100 features single point of management to improve IT service ability.

The UMG-2100 benefits the SMBs lower cost of ownership, quick and easy deployment, low noise, space saving and energy conservation for better business environment.

Traditional Office System

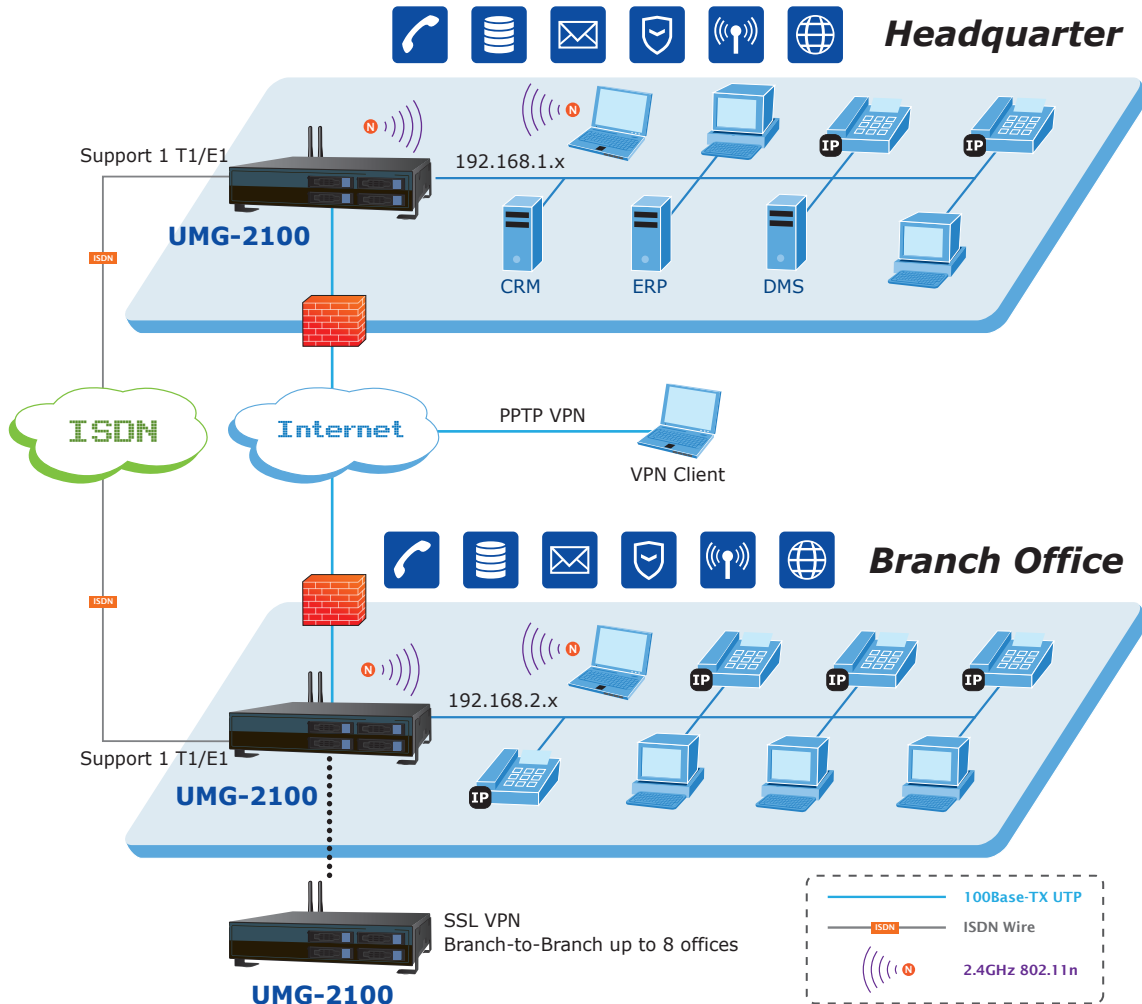


New Office System



Office Voice and Data Communication

The exchange of business data and voice with high security and superior performance is in great demand. The Unified Office Gateway UMG-2100 meets the requirements. A secure channel based on SSL VPN is built for data synchronization. A private voice switching system helps to avoid local or long distance charges by exchanging voice via a secure Internet tunnel. Additionally, web based remote management makes it possible to manage all IT resources in your branches without leaving your own office. The UMG-2100 supports Branch-to-Branch voice and data communication up to 8 offices.



SPECIFICATION

Product	Unified Office Gateway (1 x E1 / T1)
Model	UMG-2100
Hardware Specification	
Case	2U high Rack or Desk
WAN	1 x RJ-45 (10/100Base-TX, Auto-Negotiation, Auto MDI/MDI-X)
LAN	2 x RJ-45 (10/100/1000Base-T, Auto-Negotiation, Auto MDI/MDI-X) 24 x RJ-45 (10/100Base-TX, Auto-Negotiation, Auto MDI/MDI-X)
SATA support	4-Port SATA Controller (SATA I, SATA II Hard Disk)
Hard Disk	Hot-Swappable SATA Disk (4 x 80GB/160GB/250GB/500GB/1TB)
Voice	1 x E1 / T1
Wireless	1 x 802.11b/g/n Wireless Access Point, 2 x RP-SMA Detachable Antenna
USB	2 x USB2.0 (future feature)
LED Indicators	1 x PWR LED 1 x Internet LED 1 x PBX LED 1 x WLAN LED 1 x E-mail LED 1 x Firewall LED 1 x Alert LED 4 x Storage LEDs 1 x BTB LED 1 x FTX LED 26 x LAN LEDs
Software Specification	
VoIP	SIP protocol - SIP 2.0 (RFC3261,RFC2833) Registration - Factory Default: 50 nodes, Max. 250 nodes Calls - Max. 50 concurrent calls Voice Compression Code Technology - G.711, G.726, G.723.1 (5.3, 6.3kbps), G.729A (8kbps), GSM 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) - Comfort Noise Generation (CNG) - Gain Control
IP PBX	- Supports 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 - E1/T1 interface for ISDN Inbound/outbound - ISDN 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 - Least Cost Routing (LCR) - Busy Lamp Field (BLF) - Bridged Line Appearance (BLA)

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	<ul style="list-style-type: none"> Protocol - POP3,IMAP,SMTP, Web mail Support accounts - 250 users Email Security - Secured Socket Layer (SSL) Anti-Virus - ClamAV Anti-Spam Junk mail block Mailbox size Limit - 200M/500M/1G/2G/No Limit Attachment - 2M/5M/10M/20M/50M/No Limit Block List - Share/User/Domain security modes Email Backup - Auto-Backup
Network Storage	<ul style="list-style-type: none"> RAID - RAID 0, RAID 0/1, RAID 5, JBOD Date Sharing - Windows Network Sharing, NFSv3
Security	<ul style="list-style-type: none"> Network Security - DoS attack Prevention VPN Max. connection - 100 PPTP VPN tunnels - 8 Site-to-Site SSL VPN tunnels VPN pass-through - IPSec, PPTP, L2TP pass-through Internet Security - Domain/Keyword Content Filter, Access Control - IP-MAC Binding
Other Protocol / Function	<ul style="list-style-type: none"> Protocol - TCP/IP, NAT, DHCP, HTTP, DNS, NTP, HTTPS, CIFS/SMB, NFSv3 LAN - IEEE 802.1d Spanning Tree Internet Access - Static IP, PPPoE, DHCP, PPTP, L2TP DMZ UPnP QoS DDNS Multiple host name
Management	<ul style="list-style-type: none"> - Web based GUI management - Firmware upgradeable via local

ORDERING INFORMATION

UMG-2100	Unified Office Gateway (1 x E1 / T1)
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RELATED PRODUCTS

UMG-2000	Unified Office Gateway (4 x FXO)
UMG-2200	Unified Office Gateway (8 x FXO)