

Avocent® Universal Management Gateway

Infrastructure Management Appliance

■ Infrastructure Management
& Monitoring for
Business-Critical Continuity™

Benefits

Simplicity

- Comprehensive, single-pane-of-glass management for data center access and control
- Convenient single U chassis – reduce physical and power consumption footprint
- Complete connectivity (IPMI, SNMP, Modbus, BACnet, Velocity)
- Physical sensor aggregation
- Easy installation across various remote access technologies

Scalability

- Up to 40 simultaneous KVM sessions
- Up to 1024 service processors; wide variety of servers managed
- Up to 40 full auto-sensing ports
- Combined KVM and embedded console access through a single port (Using the UMIQ-V2)
- Data collection – up to 10,000 data points per minute

Speed

- Real-time visibility across IT and facilities



Avocent® Universal Management
Gateway 6000

The Avocent® Universal Management Gateway is a multi-purpose appliance that represents a new genre of data center management, enabling data centers to operate from a unified approach to infrastructure management by consolidating access to all facilities and IT assets.

Within any data center infrastructure management (DCIM) framework, the Universal Management Gateway appliance is the core component as the data collection engine, as well as the access point that provides the closed loop control for Emerson Network Power's DCIM solution, the *Trellis™* platform. The *Trellis™* intelligence engine is located within the Universal Management Gateway appliance and performs the data collection function. In seconds, the engine collects and aggregates data points by directly connecting to a device—rather than integrating with other monitoring solutions—to gather historical data through native device connections and protocols. The Complex Event Processor within the Trellis intelligence engine then breaks down the data point values into meaningful statuses that let administrators make smarter decisions faster.

Within a remote data center management (RDCM) framework, the Universal Management Gateway appliance combines the functions of KVM over IP, serial console over IP, rack PDU, embedded service processors and environment management from a single chassis. When used in combination with the Avocent® DSView™ management software, the total solution provides secure, remote access and control to any device that has an interface.

The Universal Management Gateway appliance comes in three models, UMG2000, UMG4000 and UMG6000. Each model is defined by the following functionality:

	UMG2000	UMG4000	UMG6000
Service Processor Management	✓	✓	✓
Serial Console Management	✓	✓	✓
Digital KVM		✓	✓
Environmental Monitoring (Sensors)		✓	✓
Number of Access Ports	40	40	40
Number of Consecutive KVM Users	n/a	40	40
Auto-Sensing Ports	8	40	40
Service Processors Supported	256	512	1024
Data Collection (Datapoints/Minute)	1000	5000	10000
Storage (RAID1 Mirroring)	2 x 250GB	2 x 250GB	2 x 500GB
Networking	2 x 1GB	2 x 1GB	2 x 1GB

The Universal Management Gateway appliance is truly the next generation of data center technology by simultaneously managing legacy KVM requirements and embedded server technologies, while providing for ease of transition to more modern embedded management practices. The appliance enables users to easily manage these technologies from any brand of server without struggling through inconsistent capabilities and features provided by different server manufacturers. If KVM or serial console management is used for remote access, the Universal Management Gateway appliance can support either with auto-sensing ports. This functionality lets modern data centers flexibly consolidate tools, standardize processes, and operate with greater efficiency.



Features

Service Processor Support

- IPMI 1.5 (incl. nonstandard SoL support), IPMI 2.0
- HP Integrated Lights Out (iLO, iLO3) HP IPMI, HP Blade System
- Dell Remote Access Cards (DRAC3, 4, 5), Dell BladeCenter DRAC MC, DELL 10G, M1000e Blade Chassis Controller, Blade Chassis Management Controller/iDRAC for blades/iDRAC6 for blades
- Cisco UCS-C Rack Mount servers
- FSC iRMC, iRMC S2
- IBM RSA (RSA II), IBM BladeCenter
- Sun ALOM, Sun ILOM, Sun eLOM

Server Management

- Console access via SoL and vKVM
- Console data logging (local, NFS, Syslog)
- Power on/off/cycle/status support
- Graceful shutdown support (IPMI only)
- System event logs (SEL)
- Hardware environmental sensors
- Alert management
- Platform event traps (PET)

User Interface

- Embedded Web interface
- Single, consolidated Web interface with DSView™ 4 software integration
- SSH device management command options

Specifications

MECHANICAL

Size (W x D x H)

1.70 in. (43.1 mm) X 17.1 in. (434 mm)
X 20.0 in. (508mm)

Weight: 26 lbs (11.7 kgs)

ENVIRONMENTAL

Ports/Connections

Device Ports : 40 RJ45

Device Port Type: Auto-sensing (except the 2000, 32 SP and 8 auto-sensing)

Power Supply

Dual Internal (redundant)

AC Input Range: 100 – 240V

Power Usage

UMG6000

Input Voltage Current Power

120 774.5mA 89.3

240 515.5mA 90

UMG4000

Input Voltage Current Power

120 737.4mA 83.55

240 500.5mA 82.91

UMG2000

Input Voltage Current Power

120 498.8mA 55.68

240 371.8mA 54.25

Standards

Approved Agency UL, FCC, cUL, ICES-003, CE, VCCI, KCC, C-Tick, GOST

Warranty

90 days with registration

ORDERING DETAILS

PART #	DESCRIPTION
UMG2000-400	UMG 2000 40P,256SP, 8SRL, 1000DP
UMG2000-G01	UMG 2000 40P,256SP, 8SRL, 1000DP-GVT
UMG4000-400	UMG 4000 40P(AS) 512SP 5000DP
UMG4000-G01	UMG 4000 40P(AS) 512SP 5000DP
UMG6000-400	UMG 6000 40P(AS) 1024SP 10KDP-GVT
UMG6000-G01	UMG 6000 40P(AS) 1024SP 10KDP-GVT
UMIQ-V1	UM KVM MODULE - VGA SINGLE RJ45
UMIQ-V2	UM KVM MODULE - VGA+SP DUAL RJ45

MAINTENANCE

1YSLV-UMG2000	1 YR SLV HW Maintenance UMG2000
2YSLV-UMG2000	2 YR SLV HW Maintenance UMG2000
4YSLV-UMG2000	4 YR SLV HW Maintenance UMG2000
1YGLD-UMG2000	1 YR GLD HW Maintenance UMG2000
2YGLD-UMG2000	2 YR GLD HW Maintenance UMG2000
4YGLD-UMG2000	4 YR GLD HW Maintenance UMG2000
1YSLV-UMG4000	1 YR SLV HW Maintenance UMG4000
2YSLV-UMG4000	2 YR SLV HW Maintenance UMG4000
4YSLV-UMG4000	4 YR SLV HW Maintenance UMG4000
1YGLD-UMG4000	1 YR GLD HW Maintenance UMG4000
2YGLD-UMG4000	2 YR GLD HW Maintenance UMG4000
4YGLD-UMG4000	4 YR GLD HW Maintenance UMG4000
1YSLV-UMG6000	1 YR SLV HW Maintenance UMG6000
2YSLV-UMG6000	2 YR SLV HW Maintenance UMG6000
4YSLV-UMG6000	4 YR SLV HW Maintenance UMG6000
1YGLD-UMG6000	1 YR GLD HW Maintenance UMG6000
2YGLD-UMG6000	2 YR GLD HW Maintenance UMG6000
4YGLD-UMG6000	4 YR GLD HW Maintenance UMG6000
MEDIA-UMG2000	Media Retention UMG2000
MEDIA-UMG4000	Media Retention UMG4000
MEDIA-UMG6000	Media Retention UMG6000