

# Avocent® Universal Management Gateway

## A Comprehensive Appliance for Infrastructure Management and Control

Infrastructure Management & Monitoring for Business-Critical Continuity™

### Key Benefits

- Enhance data center efficiency and responsiveness with unified, real-time visibility and control of facilities and IT assets
- Substantially reduce the complexity of deploying various hardware systems for alerts, telemetry and environmental sensors, as well as device access and control
- Maintain data collection capabilities during disaster recovery with each Avocent Universal Management Gateway appliance storing its own data store
- Recover capital expenses by converging infrastructure purchases into fewer multi-purpose devices
- Cut costs with up to 30% less energy usage
- Future proof infrastructure investments with built-in flexibility and heterogeneous vendor support
- Scale to support growing operations with up to 10,000 data points collected per minute, 40 simultaneous KVM sessions and 1024 service processors managed



Avocent Universal Management Gateway 6000

The Avocent® Universal Management Gateway appliance is a multi-purpose appliance that consolidates access and control to all facilities and IT assets. Exclusively, the Avocent Universal Management Gateway appliance uses proven technology to deliver a single, unified approach for data center infrastructure management (DCIM), including remote data center management.

#### Real-Time Control in the DCIM Environment

For DCIM, the Avocent Universal Management Gateway appliance provides a path to the *Trellis™* platform, Emerson Network Power's revolutionary solution for DCIM. Deployed locally or remotely, the appliance enables both real-time data collection and closed-loop control over IT and facilities equipment, enabling dramatic reductions in manual labor and operating costs. Rather than integrate with other monitoring solutions, the Avocent Universal Management Gateway appliance directly connects to a device in seconds, automatically collecting and aggregating historical data and allowing facilities equipment to be connected to the *Trellis* platform. The *Trellis* platform then intelligently interprets this data into meaningful status information that helps administrators make faster, smarter decisions.

#### Secure, Remote Access for IT Environments

The Avocent Universal Management Gateway appliance combines the functions of KVM over IP, serial console over IP, rack PDU, embedded service processors and environment management in a single solution. When used in combination with the Avocent DSView™ management software, data centers gain a total solution for secure access and control of any device with an interface. The appliance provides auto-sensor ports to support remote access via KVM or serial consoles, so that data centers can flexibly consolidate tools and standardize processes to operate with greater efficiency.

The Avocent Universal Management Gateway appliance is truly the next generation of data center technology, capable of simultaneously managing legacy KVM and embedded server technologies while easing the transition to modern console management practices. The appliance is available in the following models:

	UMG 2000	UMG 4000	UMG 6000
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 (Data Points/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



## Features

### Service Processor Support

- IPMI 1.5 (incl. nonstandardSoL support), IPMI 2.0
- HP integrated Lights Out (iLO, iLO3) HP IPMI, HP Blade System
- Dell Remote Access Cards (DRAC4, 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 Avocent® DSView™ management 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

UMG 2000

120V 0.5amp

240V 0.37amp

UMG 4000

120V 1.15amp

240V 0.68amp

UMG 6000

120V 1.24amp

240V 0.71amp

#### Standards

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

#### Warranty

Two years with registration

## ORDERING DETAILS

PART #	DESCRIPTION
UMG2000-400	UMG 2000 40P,256SP, 8SRL, 1000DP
UMG4000-400	UMG 4000 40P(AS) 512SP 5000DP
UMG6000-400	UMG 6000 40P(AS) 1024SP 10KDP
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 UMG 2000
2YSLV-UMG2000	2-YR SLV HW Maintenance UMG 2000
4YSLV-UMG2000	4-YR SLV HW Maintenance UMG 2000
1YGLD-UMG2000	1-YR GLD HW Maintenance UMG 2000
2YGLD-UMG2000	2-YR GLD HW Maintenance UMG 2000
4YGLD-UMG2000	4-YR GLD HW Maintenance UMG 2000
1YSLV-UMG4000	1-YR SLV HW Maintenance UMG 4000
2YSLV-UMG4000	2-YR SLV HW Maintenance UMG 4000
4YSLV-UMG4000	4-YR SLV HW Maintenance UMG 4000
1YGLD-UMG4000	1-YR GLD HW Maintenance UMG 4000
2YGLD-UMG4000	2-YR GLD HW Maintenance UMG 4000
4YGLD-UMG4000	4-YR GLD HW Maintenance UMG 4000
1YSLV-UMG6000	1-YR SLV HW Maintenance UMG 6000
2YSLV-UMG6000	2-YR SLV HW Maintenance UMG 6000
4YSLV-UMG6000	4-YR SLV HW Maintenance UMG 6000
1YGLD-UMG6000	1-YR GLD HW Maintenance UMG 6000
2YGLD-UMG6000	2-YR GLD HW Maintenance UMG 6000
4YGLD-UMG6000	4-YR GLD HW Maintenance UMG 6000
MEDIA-UMG2000	Media Retention UMG 2000
MEDIA-UMG4000	Media Retention UMG 4000
MEDIA-UMG6000	Media Retention UMG 6000