Avocent® Universal Management Gateway
Consolidated, secure access and control for multivendor, IT infrastructures

Key Benefits

- **Consolidated Management:** Combines the functions of KVM over IP, serial console over IP, rack PDU, SP, and environmental sensor management into a single chassis

- **Always-On:** Highly reliable, local, remote and out-of-band access to data center infrastructure ensures that monitoring, control, and management can be done at any time, from any place

- **Enhanced Security:** Shields embedded service processors from unauthorized access; reducing the risk of malicious intrusion

- **Streamlined Installation:** Leverages pre-built service processor profiles for discovery and management, streamlining discovery and setup for newly installed hardware.

- **Universal Connectivity:** Protects infrastructure investments and eases data center transitions with integrated support for a broad range of IT platforms

- **Multi-Tenant Design:** Creates a secure environment, improving compliance and auditing tasks for customers considering Colocation and Cloud implementations

Avocent® Universal Management Gateway 6000

Enabling the rapid pace of business requires data center managers to design, implement and support systems and solutions from a range of vendors. Managing these interconnected systems often requires a suite of complex, disconnected tools that imped productivity and threaten IT infrastructure stability. The Avocent® Universal Management Gateway (UMG) helps data center managers take control of their multi-vendor, multi-platform infrastructure so they can suport the needs of today's dynamic business environment.

The Avocent Universal Management Gateway appliance is the first converged management appliance that enables remote management of any device, in any location, from any vendor, at any time in a secure, centralized manner. It extends the competence of skilled, capable data center administrators by helping them standardize on a proven toolkit that **delivers industry-leading security, high availability, and streamlined management** capability.

Industry-leading Security: The Universal Management Gateway appliance converges Avocent access and control technologies into a single platform that is massively secure. Since it secures embedded processors by acting as a gateway between the external network and the system, service processors are no longer directly accessible from the network – reducing risk.

High Availability: Access, control, and management systems must be trustworthy, and the Universal Management Gateway is. Built on a multi-generational platform, it's designed to ensure a direct path to data center infrastructure that's always-on, always-available, and accessible from whenever, wherever.

Streamlined Management: Exclusively, the Universal Management Gateway appliance uses proven technology to deliver a single, unified approach for data center infrastructure management (DCIM). The appliance integrates Digital KVM, Serial Console, Service Processor and Environmental Management in a single-U platform, enabling customers to experience complete data center access and monitoring. No one can manage and monitor a multi-vendor environment like Emerson, and the Universal Management Gateway delivers the broadest service processor support in the industry.

Also, because the Universal Management Gateway can manage up to 1024 service processors through IP or in a tiered switch configuration, one Universal Management Gateway can replace multiple legacy management consoles – resulting in a streamlined administrator experience.

The appliance is available in the following models:

	UMG 2000	UMG 4000	UMG 6000
Service Processor Management (SP)	up to 256	up to 512	up to 1024
Serial Console Management	✔	✔	✔
Digital KVM	vKVM*	VGA & vKVM*	VGA & vKVM*
Environmental Management		✔	✔
Number of Access Ports	40	40	40
Number of Consecutive KVM Sessions	n/a	40	40
Auto-Sensing Ports (KVM, Serial, SP)	Serial/SP only	40	40

*Through supported SPs

EMERSON
Network Power

Features

Service Processor Support *
- Cisco: UCS-B Chassis and Blades, UCS CIMC/Monolithic
- Dell: DRAC 4, DRAC 5, DRAC/MC, iDRAC, iDRAC6, iDRAC7, iDRAC8, M1000E Chassis, C Series
- FSC: iRMC, iRMC S2
- HP: BladeSystem, iLO 2, iLO 3, iLO 4
- IBM: BladeCenter, IMM, IBMIMM2, RSA II
- IPMI: 1.5, 2.0
- Oracle: ILOM3
- SUN: ALOM, ELOM, ILOM

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
- Built-in Consoles
  - Secure WebUI
  - CLI/SSH
  - VGA
- Avocent DSView™ 4 Management Software
  - Centralized management
  - IT device control
- SSH
- Local VGA and USB access

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)

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
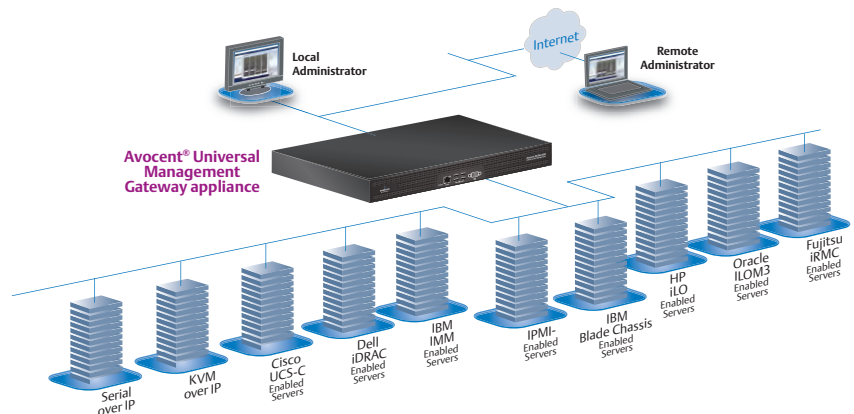
UMG 6000
120V 1.24amp, 240V 0.71amp

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

Warranty
Two years

* Please see most recent release notes for exact firmware versions supported

Local Administrator · Internet · Remote Administrator

Avocent® Universal Management Gateway appliance

Serial over IP · KVM over IP · Cisco UCS-C Enabled Servers · Dell iDRAC Enabled Servers · IBM IMM Enabled Servers · IPMI-Enabled Servers · IBM Blade Chassis Enabled Servers · HP iLO Enabled Servers · Oracle ILOM3 Enabled Servers · Fujitsu iRMC Enabled Servers

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

Use the following key to create the maintenance SKU to suit your needs:

X**Y**AAA-**UMG**CCCC

Model
CCCC=2000, 4000 or 6000

Type
AAA=SLV (Silver) or GLD (Gold)

Year
X=1, 2 or 4

Example of the final SKU:
2YSLV-UMG4000

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