

# Avocent® Universal Management Gateway

Consolidated, secure access and control for multi vendor, IT infrastructures



## 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

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 impede 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 support 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 Vertiv™, 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 UMG 4000 and UMIQ specifications are as follows:

UMG 4000		UMIQ	
Service Processor Management (SP)	up to 512	Video Port	VGA
Serial Console Management	✓	External power option	✓
Digital KVM	VGA & vKVM*	10/100/1000 Ethernet Port	2
Environmental Management	✓	USB port	✓
Number of Access Ports	40	Connection to UMG	Wired or WAN
Number of Consecutive KVM Sessions	40		
Auto-Sensing Ports (KVM, Serial, SP)	40		

\*Through supported SPs



Avocent® Universal Management Gateway 4000

## Technical Specifications

### Features

#### Service Processor Support\*

Cisco: USC-B Chassis and Blades, UCS CIMC / Monolithic

Dell: DRAC 5, iDRAC, iDRAC7, iDRAC8, M1000E Chassis, C Series

FSC: iRMC, iRMC S2

HP: BladeSystem, iLO 2, iLO 3, iLO 4

IBM: BladeCenter, IMM, IBMIMM2

IPMI: 1.5, 2.0

Oracle: ILOM3

SUN

#### 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)

FIPS 140-2 compliance: based on the FIPS 140-2 validated cryptographic modules (certificate numbers 2473 & 1279)

#### 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×D×H):

1.70 in. (43.1 mm)×17.1 in. (434 mm)×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 4000: 120V 1.15amp, 240V 0.68amp

UMG 6000: 120V 1.24amp, 240V 0.71amp

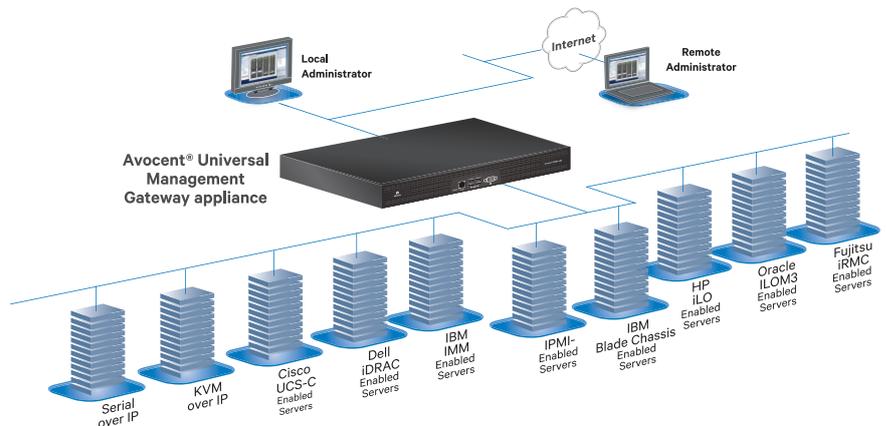
#### Standards

Approved Agency

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

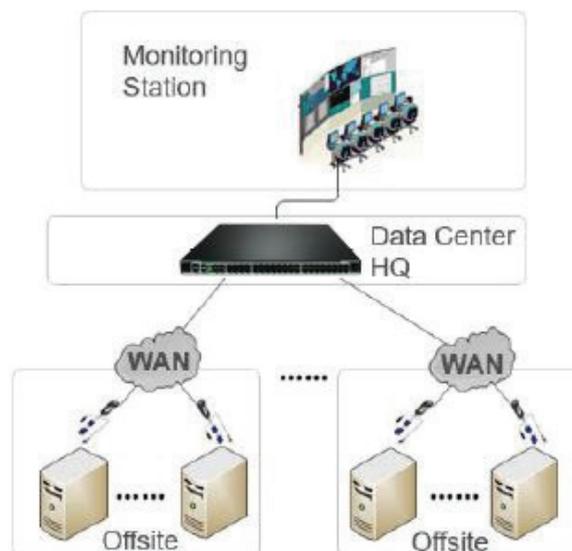
#### Warranty

Two Years



## UMG + UMIQ Topology

Vertiv's UMIQ has been updated with new capabilities and now allows connection to the UMG 4000 via wired or WAN connections. This makes Vertiv's solution more flexible than the competition, as multiple off-site datacenters can connect to a central UMG 4000 instead of having to purchase one per site. The UMIQ's WAN feature allows large datacenters to overcome the 100m Ethernet cable limit.



## Ordering Details

Part #	Description
UMG4000-400	UMG 4000 40P(AS) 512SP 5000DP
UMIQ-V2	UM KVM MODULE - VGA+SP DUAL RJ45

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

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