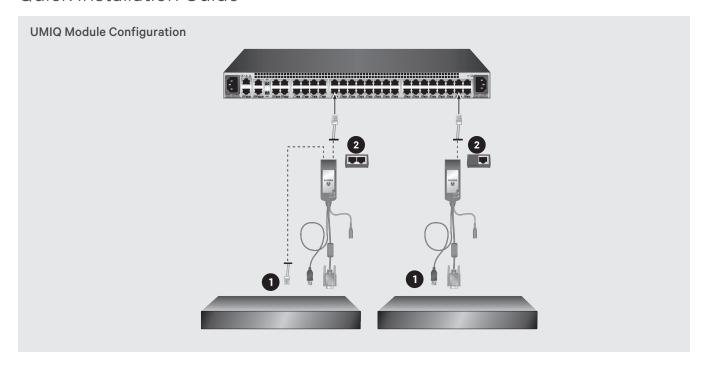# AVOCENT® UNIVERSAL MANAGEMENT GATEWAY APPLIANCE

## Universal Management IQ Module
## Quick Installation Guide

**VERTIV**

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**UMIQ Module Configuration**



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**NOTE:** *UMIQ modules are available with single or dual ports.*

## ABOUT THE UMIQ MODULE

The UMIQ module converts keyboard, video and mouse (KVM) and smart card signals from a target to digital IP data, enabling bi-directional control of the attached target by a remote user.

The module draws its operating power from the connected server over USB. The Avocent® Universal Management Gateway appliance provides stand-by power over the CAT5 cable, which keeps the module in a suspended state. It is important that networking equipment is never used in the connection path between the appliance and the module since stand-by power will damage networking devices (switches/routers/firewalls).

**NOTE:** *Stand-by power is not compatible with Power over Ethernet (PoE) devices.*

There is an external DC power cable option available which can be connected to a 5V DC power supply. See the Safety, EMC and Environmental Approvals and Markings section for more information.

**NOTE:** *A patch panel is not recommended as a connection point between the appliance and an IQ module because it can cause distance, power or video quality control feature issues. If the issues are still present when the patch panel is removed, contact Technical Support.*

### 1. Connecting a target device to the module
Plug the module, DB15 (VGA) and USB connectors into the appropriate target ports. Repeat this procedure with additional modules for each target that is to be connected to the appliance.

### 2. Connecting the module to your appliance
Connect one end of a CAT5 cable into an available port on the back of the appliance and the other end into the module's RJ45 connector. For modules with two RJ45 ports, the other port can be used to connect to a dedicated service processor.

**NOTE:** *Maximum cable length is 100 meters.*

### 3. Turning on the target system
Ensure the target is turned on before attempting to establish a remote KVM session.

### 4. Updating the initial firmware
When connecting the module to an appliance for the first time, the module will automatically receive a firmware update. Ensure the module remains connected until the update is complete.

## UMIQ-E Module

The UMIQ-E (Enhanced) module is a new operating mode that enables the module to be connected to a Universal Management Gateway appliance through the GB1 (eth0) or GB2 (eth1) ports. Once a network connection is made, the appliance can be accessed through your intranet. See the Avocent® Universal Management Gateway Appliance Installer/User Guide for more information on converting and configuring the UMIQ-E module.

## For more information

Visit www.vertiv.com for more information about your Avocent® Universal Management Gateway appliance and UMIQ or UMIQ-E modules.

## USA

*WARNING:* Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

*NOTE:* This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

## Canada

This Class A digital apparatus complies with the Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

## Japan

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。　　　　VCCI－A

## Korea

| 기종별 | 사용자 안내문 |
|---|---|
| A급 기기 (업무용 정보통신기기) | 이기기는 업무용으로 전자파적합등록을 한 기기이오니 판매자 또는 사용자는 이 점을 주의하시기 바라며 만약 잘못 판매 구입 하였을 때에는 가정용으로 교환하시기 바랍니다. |

## European Union

*WARNING:* This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

## SAFETY, EMC AND ENVIRONMENTAL APPROVALS AND MARKINGS

Safety certifications and EMC certifications for this product are obtained under one or more of the following designations: CMN (Certification Model Number), MPN (Manufacturer's Part Number) or Sales Level Model designation. Designations that are referenced in the EMC and/or safety reports and certificates are printed on the label applied to this product.

For use with Listed Information Technology Equipment (I.T.E.).

External power supply (optional and sold separately): For safe use when using the optional external power supply, only use the UMIQ-PS power supply provided by Vertiv. Please contact a Vertiv sales representative or authorized distributor for details.

KCC-REM-AVO-CMN1002
AVOCENT CORP
RIP/CMN:1002

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**To contact Vertiv Technical Support: visit Vertiv.com**