Vertiv™ Avocent® MergePoint Unity™ KVM over IP and Serial Console Switch GUIDE SPECIFICATIONS

1.0 GENERAL

1.1 Summary

The Vertiv™ Avocent® MergePoint Unity™ KVM over IP and serial console switch combines analog and digital technology to provide flexible, centralized control of data center servers and virtual media, and to facilitate the operations, activation and maintenance of remote branch offices where trained operators may be unavailable. The IP-based Avocent MergePoint Unity™ KVM over IP and serial console switch gives you flexible target device management control and secure remote access from anywhere and anytime.

1.2 Standards

The switch shall be designed in accordance with applicable sections of the current revision of the following documents. Where a conflict arises between these documents and statements made herein, the statements in this specification shall govern.

- Listed to UL and c-UL
- ICES-003
- FCC
- CE
- VCCI
- KCC
- GOST
- C-Tick

1.3 System Description

1.3.1 Modes of operation

The switch shall be designed to operate with local and remote access. The two user interfaces share a similar look and feel for an optimal user experience.

1. **Local** - You can use the local User Interface (UI) by connecting directly to the local port to manage the Avocent MergePoint Unity™ KVM over IP and serial console switch.
2. **Remote** - **On-Board Web Interface (OBWI) -** You can use the remote (OBWI) to manage your switch system. The OBWI is web-browser based and is launched directly from the switch, and any servers connected to the Avocent MergePoint Unity™ KVM over IP and serial console switch are automatically connected. The Avocent MergePoint Unity™ KVM over IP and serial console switches provide agentless remote control and access. No special software or drivers are required on the attached servers or client.

3. **Remote - Vertiv™ Avocent™ DSView™ management software -** The Avocent® DSView™ software may be used with the Avocent MergePoint Unity™ switch to allow IT administrators to remotely access, monitor, and control target devices on multiple platforms through a single, web-based user interface. The client connects to the server hosting the Avocent® DSView™ management software using an internet browser.
4. **Standard TCP/IP network -** The Avocent MergePoint Unity™ KVM over IP and serial console switches provide agentless remote control and access. No special software or drivers or required on the attached servers or client. Users access the Avocent MergePoint Unity™ KVM over IP and serial console switch and all attached systems via Ethernet or using a V.34, V.90, or V92 modem from a client. The clients can be located anywhere a valid network.

1.3.2 Design requirements

1. **Power supply:**
   a. **Number**
      - Dual power supplies
   b. **Type**
      - Internal
   c. **AC input range**
      - 100 V-240 V
   d. **Connector**
      - IEC C14
2. **Mechanical:**

   Size - Height x Width x Depth

   - **H** - 1.72 in. (4.37 cm)
   - **W** - 17 in. (43.18 cm)
   - **D** - 16- port or 32-port models 13.38 in. (34 cm)

     8-port models 9.2 in. (23.4 cm)
3. **Video resolution:**

   Maximum local video resolution 1920x1080

   Maximum remote resolution 1600x1200
4. **Ports/Connections:**
   a. **Network:**
      - **Number:** 2
      - **Type:** 10/100/1000 Ethernet
   b. **Power control ports:**
      - **Number**: 2
      - **Type**: RS232 Serial
      - **Connector**: 8-pin modular

c. **Device ports:**

- **Number**: 8, 16, or 32
- **Connector**: 8-pin modular

d. **Local console:**

- **Number**: 1
- **Connector**: USB and VGA

e. **Supported target video:**

VGA, DVI-I, Display Port, and HDMI

f. **Supported cabling:**

4-pair UTP CAT5 or CAT6, 50 meters maximum length

g. **Setup port:**

- **Number**: 1
- **Type**: RS232 serial
- **Connector**: 8-pin modular

h. **Modem port:**

- **Number**: 1
- **Type**: RS232 serial
- **Connector**: 8-pin modular

1.3.3 Power specifications

1. **Power supply:**

MPU8032DAC: 24 W

MPU4032DAC: 18 W

MPU2032DAC: 17 W

MPU2016DAC: 15 W

MPU108EDAC: 13 W

2. **Heat dissipation:**

MPU8032DAC: 82 BTU/hr

MPU4032DAC: 62 BTU/hr

MPU2032DAC: 57 BTU/hr

MPU2016DAC: 47 BTU/hr

MPU108EDAC: 43 BTU/hr

3. **AC input range:**

   100 VAC-240 VAC

4. **AC frequency:**

   50 Hz-60 Hz autosensing

5. **AC input current rating**

   1.25 A

6. **AC input power (maximum):**

   40 W

1.3.4 Ambient atmospheric condition ratings

1. **Temperature:**
   - **Operating**: 32°F to 122°F (0°C to 50°C)
   - **Non-operating**: -4°F to 158°F (-20°C to 70°C)
2. **Humidity:**
   - **Operating:** 20% to 80% relative humidity (non-condensing).
   - **Non-operating:** 5% to 95% relative humidity, 38.7°C maximum wet bulb temperature.

1.4 Safety and EMC standards, approvals, and markings:

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

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