

Vertiv™ Avocent® ADX IPIQ IP KVM Device GUIDE SPECIFICATIONS

1.0 GENERAL

1.1 Summary

This specification shall define the electrical and mechanical characteristics and requirements for Vertiv™ Avocent® ADX IPIQ IP KVM device.

1.2 Standards

The Avocent ADX IPIQ IP KVM device shall be designed in accordance with the application 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.

1.3 System Description

1.3.1 Design requirements

1. Management:

The Avocent ADX IPIQ IP KVM device shall be managed by manufacturer provided.

2. Power from the Host:

The Avocent ADX IPIQ IP KVM device shall provide power from the host over USB.

3. Power Jack:

The Avocent ADX IPIQ IP KVM device shall provide a power jack to plug in an external power supply.

4. External Power Supply:

The Avocent ADX IPIQ IP KVM device shall provide an optional external power supply to use with the Power Jack.

5. 2 x 10/100mb Network ports:

The Avocent ADX IPIQ IP KVM device shall provide two network ports for connectivity with the second port as a passthrough port to connect to a service processor.

6. Native VGA:

The Avocent ADX IPIQ IP KVM device shall provide a native VGA port for video, and USB for keyboard, mouse.

7. LED lights:

The Avocent ADX IPIQ IP KVM device shall provide at least two LED lights to indicate power and data activity.

1.3.2 Performance Requirements

DC Input

1. **Voltage:** The Avocent ADX IPIQ IP KVM device shall have an input voltage 5V.

1.4 Environmental Conditions

1. Ambient Temperature

- **Operating:** The ambient temperature range, when Vertiv™ Avocent® ADX MP1000 management platform is operational, shall be from 32°F to 122°F (0°C to 50°C). There shall not be any degradation in the performance when operating in this range.
- **Storage:** -4°F to 158°F (-20°C to 70°C).

1.5 User Documentation

The Avocent ADX IPIQ IP KVM device system shall be supplied with Safety Instruction and Warning Sheet, and printed copy of quick install guide. The user manual shall be downloaded from the web and includes, a functional description of the equipment, safety precautions, illustrations, step-by-step operating procedures, and general maintenance guidelines.

1.6 Warranty

The Avocent ADX IPIQ IP KVM device manufacturer shall warrant the device against defects in materials and workmanship for two years. The no-hassle replacement warranty shall include shipping costs to the customer site for the new replacement unit and shipping costs from the customer site for the return of the failed unit. Optional one-, two-, and four-year uplifted maintenance shall be available from the manufacturer.

1.7 Quality Assurance

1.7.1 Manufacturer Qualifications

1.7.2 Factory Testing

Before shipment, the manufacturer shall fully and completely test the system to ensure compliance with the specification.

1.8 Security

1.8.1 Encryption

The system shall use TLS1.3 with AES-256bit encryption and shall only use encrypted communication between the end user this device or between the manufacturer provide devices.

1.8.2 FIPS 140-2 Support

The system shall provide FIPS 140-2 cryptographic module support. The system shall allow the FIPS mode to be turned On/Off.