SMARTDIRECTOR INSTALLATION

The smartdirector provides unified management, control, reporting and hosts the smartengine open application framework for a cluster up to 2000 smartengine end points.

Each smartdirector package includes a smartdirector, smartengine operating system, rack mount kit (two sliding rack rails) and a power cord.

POWER REQUIREMENTS

· Input Voltage: 100-240 VAC, autoranging
· Power Consumption: Dual, hot plug, redundant power supply maximum 600 W
· Power Frequency: 50/60 Hz

PREPARATION

1. Procure all the required hardware and accessories:
- smartdirector appliance
- Rack-mounting brackets (included)
- Power cord compatible in region
- Ethernet cable
- Instruction sheet (included)

2. Determine the location for the smartdirector. The smartdirector is a 1U rack mountable appliance and can be installed in a standard server rack using the included mounting brackets.

3. Confirm nearby availability of required power and power cord length is sufficient to reach receptacle.

4. Confirm network switch dedicated to smartengine platform is nearby and Ethernet cable length is sufficient to reach switch port.

5. Ensure ambient operation temperature of 10°C to 35°C (50°F to 95°F) at 10% to 80% relative humidity (RH), with 26°C maximum dew point.

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INSTALLATION

smartdirector is a 1U rack mountable system and can be installed in a standard server rack via supplied rack-mounting brackets. It connects to the network and manages smartengine clusters via Ethernet.

1. Attach the two rack-mounting brackets to smartdirector appliance and server rack per instructions printed directly on bracket.

2. With power disconnected, install smartdirector in server rack using mounting brackets (included).

3. Connect the Ethernet cable to the smartdirector primary port labeled “Gb1” as shown (Figure 1), and to the network switch dedicated to smartengine platform.

4. Connect the power cord to power supply connector on smartdirector as shown (Figure 1), and the power receptacle.

The smartdirector will boot up automatically.

FIGURE 1 SMARTDIRECTOR 1-D BACK CONNECTIONS

FIGURE 2 SMARTDIRECTOR 1-D FRONT

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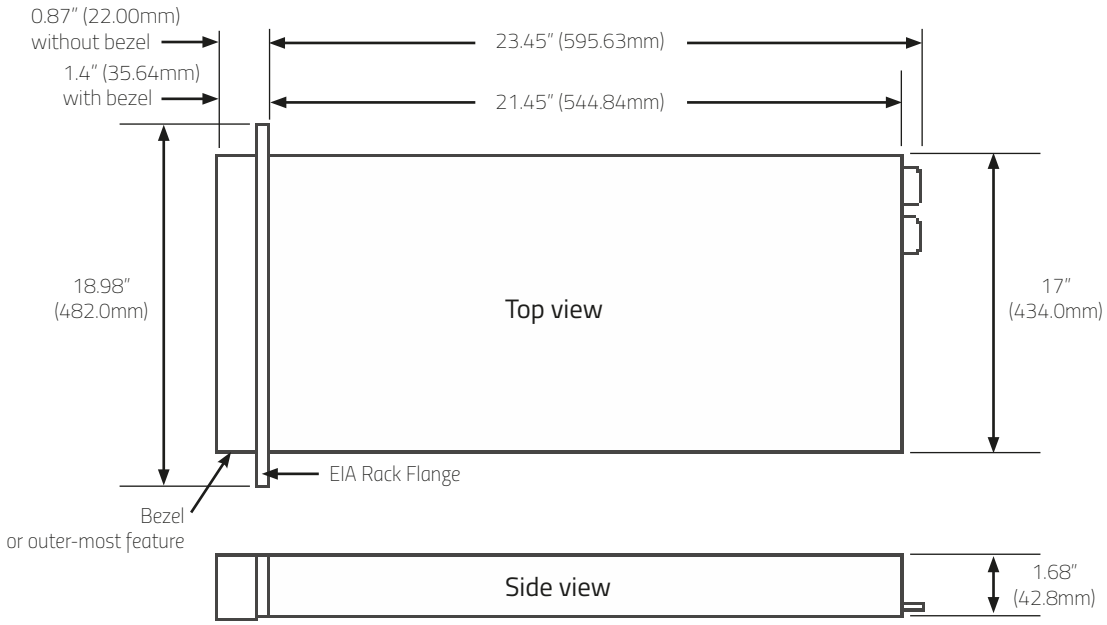
FIGURE 3 DIMENSIONS



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The following section defines the limits to help avoid IT equipment damage and/or failure from particulates and gaseous contamination. If the levels of particulates or gaseous pollution are beyond the specified limits and cause equipment damage or failure, you may need to rectify the environmental conditions. Remediation of environmental conditions is the responsibility of the customer.

SPECIFICATIONS

Data center air filtration as defined by ISO Class 8 per ISO 14644-1 with a 95% upper confidence limit.

Note: Applies to data center environment only. Air filtration requirements do not apply to IT equipment designed to be used outside a data center, in environments such as an office or factory floor.

Note: Air entering the data center must have MERV11 or MERV13 filtraition. Air must be free of conductive dust, zinc whiskers, or other conductive particles.

Note: Applies to data center and non-data center environments.
- Air must be free of corrosive dust.
- Residual dust present in the air must have a deliquescent point less than 60% relative humidity.

Details:
<300 Å/month per Class G1 as defined by ANSI/ISA71.04-1985.
<200 Å/month as defined by AHSRAE TC9.9.
NOTE: Maximum corrosive contaminant levels measured at ≤50% relative humidity.

IMPORTANT

- The smartengine, smartdirector, smartgateways, smartsensors, and smartswitches are designed for commercial use only and are not for residential use.

- The smartdirector operates with software version 5.6.0 or newer.

REGULATORY COMPLIANCE/CERTIFICATIONS

Agency	Classification
RoHS 2011/65/EU	Compliant

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