Micro Server Level 1—MS1

The Micro Server Level 1 provides a cost effective, easy to use, solution for Modbus, BACnet and SNMP protocol transformation with multiple mounting options.
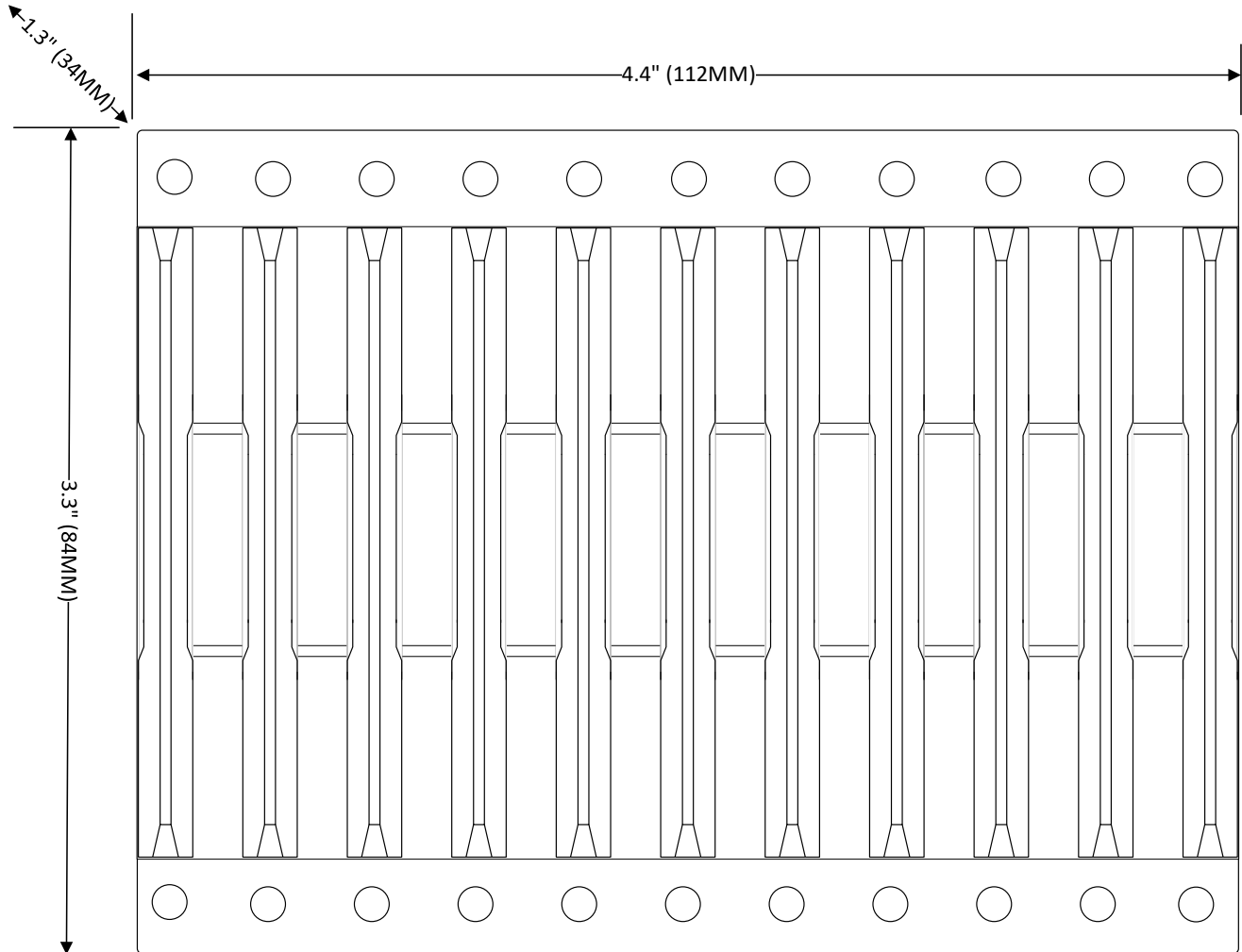
Description:

MS1 provides a quick, simple and cost-effective way to add data transformation and data monitoring products for Network Management and Building Management Systems. The MS1 provides multiple protocol support for a maximum of 16 devices.

The MS1 supports devices over TCP/IP as well as the serial communication ports available on the unit. Devices connected over multiple ports are supported simultaneously. Multiple devices are also supported through daisy-chaining (multi-drop) at the serial ports. Users must adhere to protocol and electrical standards for proper operation. Converter kits are also available for 2 / 4-wire devices to USB when connecting to the MS1.

Assembly Overview

Power button   USB 3.0   Line-in   Line-out   LED 1   USB 3.0   LED 2

USB 2.0   HDMI   mini DP   DC IN   LAN 1   LAN 2

Dimensions

-1.3" (34MM)

4.4" (112MM)

3.3" (84MM)

Assembly

Micro Server Level 1

Power Adapter / US Power Cord

Quick Reference Guide

Features

Supports up to 16 connected devices standard (when DM software is included—support for 64, 128 and 247 devices is also available, please call)
Provides serial and network connectivity
Provides 2 x GbE Ethernet ports for network capable devices. Support simultaneous connection of differing protocols
Wide temperature ranges available
Low Power Design
100% Solid state device

Specification

Standard Color	Black
Construction	Die Cast Aluminum
Processor / Memory	Intel Atom / Celeron (or greater), 4GB DDR3L-1866 (min)
System I/O	2 x GbE RJ-45 Lan Connection
	2 x USB 3.0, 2 x USB 2.0, 1 x RS-232 via mini serial connector
	1 x HDMI up to 3840 x 2160 @ 30Hz, 1 x DisplayPort 1.2 up to 4096 x 2160 @ 60Hz via Mini DP connector
Protection	Processor fan speed control, Voltage and Temperature sensing, Fan sensor inputs, ACPI-complaint power management control
Storage	Solid State HDD
System Indicator	HDD LED, Power LED
Power Supply	7—20VDC input (power supply included) 15watts max
Operating Temperatures / Humidity	0C—45C (standard), -20C—70C (extended available), -40C— 85C (industrial available) / 5% - 90% non-condensing
Storage Temperature	-20C- +70C
Dimensions	4.4" (112mm) x 3.3" (84mm) x 1.3" (34mm)
Weight	~ .75lb / 350g

Ordering

MS1	Micro Server Level 1 and power supply (server only, no software included translation)
MS1-DM-xx	Micro Server Level 1 and power supply with DM application

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