UC-8100A-ME-T Series

Arm Cortex-A8 1 GHz IIoT gateways with built-in LTE Cat. 4 , -40 to 70°C operating temperature

Features and Benefits

- Armv7 Cortex-A8 1000 MHz processor

- Dual auto-sensing 10/100 Mbps Ethernet ports

- SD slot for storage expansion

- Programmable LEDs and a programmable button for easy installation and maintenance

- LTE-ready computer with Verizon/AT&T certification and industrial-grade CE/FCC/UL certifications

- -40 to 70°C wide-temperature range with LTE enabled

- Long-term Linux support until 2027; includes bug fixes and security patches
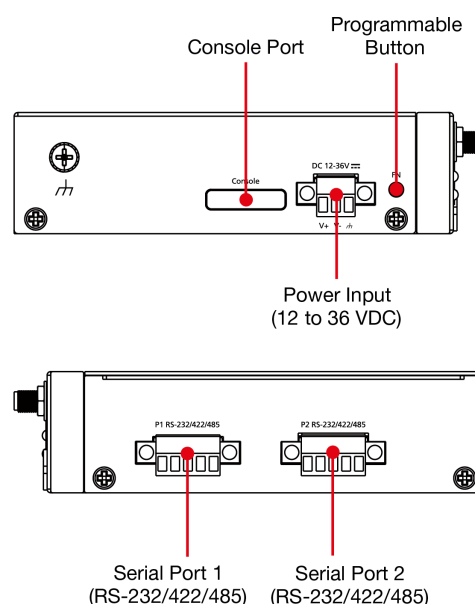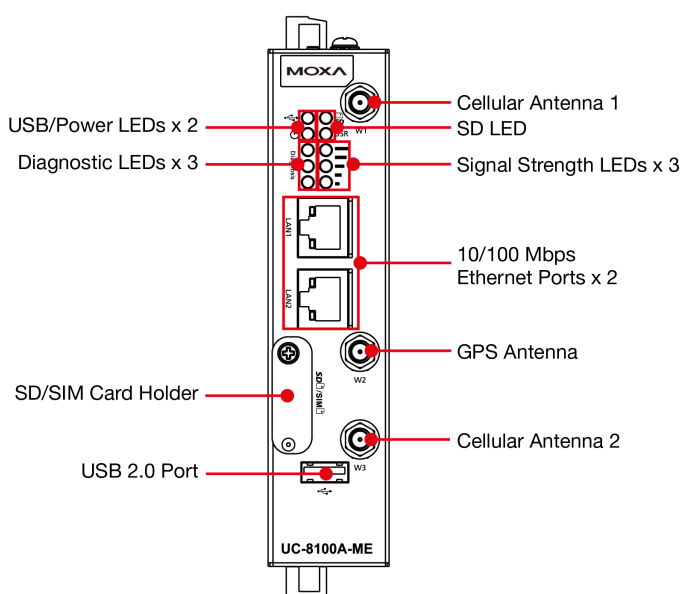
Certifications

Introduction

The UC-8100A-ME-T computing platform is designed for embedded data acquisition applications. The computer comes with dual RS-232/422/485 serial ports and dual 10/100 Mbps Ethernet ports to help users efficiently adapt the UC-8100A-ME-T to a variety of complex communications solutions.

The UC-8100A-ME-T is built around a Cortex-A8 processor that has been optimized for use in energy monitoring systems, but is widely applicable to a variety of industrial solutions. With flexible interfacing options, this tiny embedded computer is a reliable and secure gateway for data acquisition and processing at field sites as well as a useful communications platform for many other large-scale deployments.

Wide-temperature and LTE-enabled models are available. All units are thoroughly tested in a testing chamber, guaranteeing that the LTE-enabled computing platforms are suitable for wide-temperature applications.
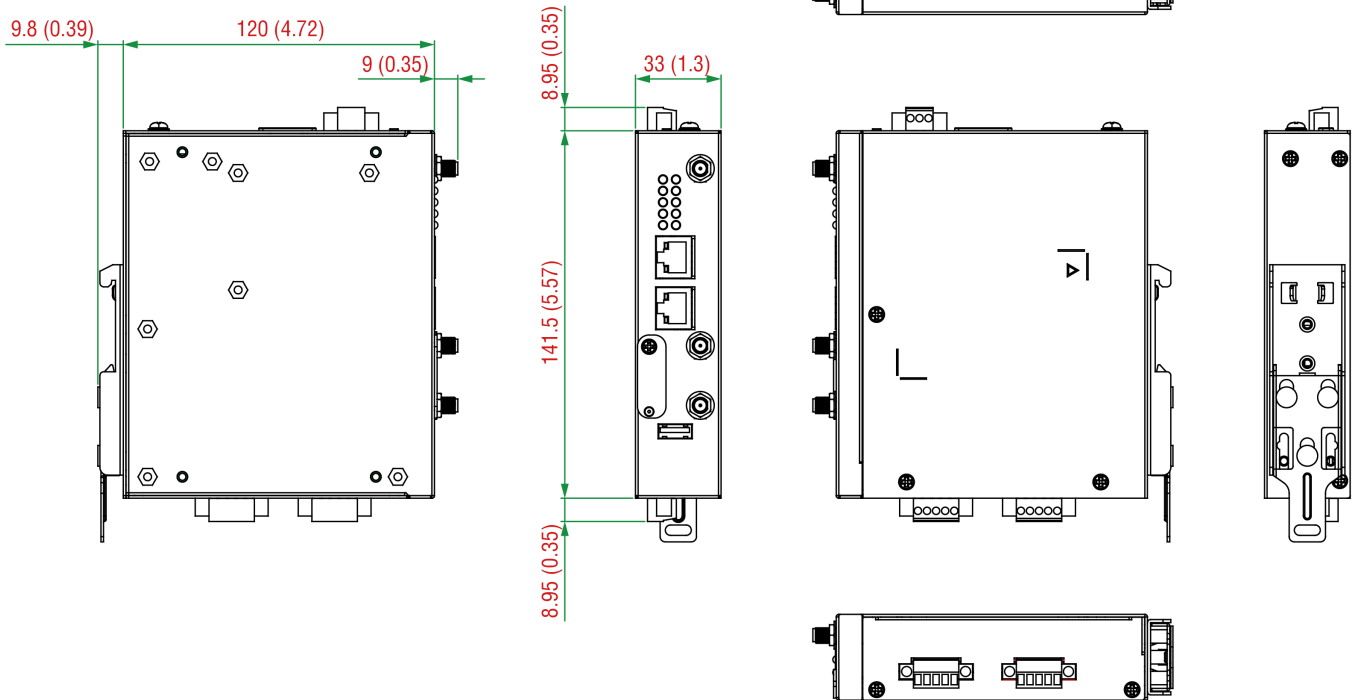
Appearance

USB/Power LEDs x 2
Diagnostic LEDs x 3

Cellular Antenna 1
SD LED
Signal Strength LEDs x 3

10/100 Mbps Ethernet Ports x 2

GPS Antenna

SD/SIM Card Holder

Cellular Antenna 2

USB 2.0 Port

UC-8100A-ME

Console Port
Programmable Button

Power Input (12 to 36 VDC)

Serial Port 1 (RS-232/422/485)
Serial Port 2 (RS-232/422/485)

Specifications

Dimensions

Unit: mm (inch)

Ordering Information

Model Name	CPU	RAM	Storage	LTE	Operating Temp.
UC-8112A-ME-T-LX	1 GHz	1 GB	8 GB	–	-40 to 85°C

Accessories (sold separately)

Power Adapters

PWR-12150-AU-SA-T	Locking barrel plug, 12 VDC, 1.5 A, 100 to 240 VAC, AU plug, -40 to 75°C operating temperature
PWR-12150-UK-SA-T	Locking barrel plug, 12 VDC, 1.5 A, 100 to 240 VAC, UK plug, -40 to 75°C operating temperature
PWR-12150-CN-SA-T	Locking barrel plug, 12 VDC, 1.5 A, 100 to 240 VAC, CN plug, -40 to 75°C operating temperature
PWR-12150-EU-SA-T	Locking barrel plug, 12 VDC, 1.5 A, 100 to 240 VAC, EU plug, -40 to 75°C operating temperature
PWR-12150-USJP-SA-T	Locking barrel plug, 12 VDC 1.5 A, 100 to 240 VAC, US/JP plug, -40 to 75°C operating temperature

Cables

CBL-F9DPF1x4-BK-100	Console cable with 4-pin connector, 1 m

Antennas

ANT-LTE-OSM-06-3m BK MIMO	Multiband antenna with screw-fastened mounting option for 700-2700/2400-2500/5150-5850 MHz frequencies
ANT-LTE-ASM-05 BK	704-960/1710-2620 MHz, LTE stick antenna, 5 dBi
ANT-LTEUS-ASM-01	GSM/GPRS/EDGE/UMTS/HSPA/LTE, 1 dBi, omnidirectional rubber-duck antenna

DIN-Rail Mounting Kits

UC-8100A-ME DIN-Rail Kit	DIN-rail mounting kit for UC-8100A-ME-T Series

Wall-Mounting Kits

UC-8100A-ME Wall Mount Kit	Wall-mounting kit for UC-8100A-ME-T Series

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