

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



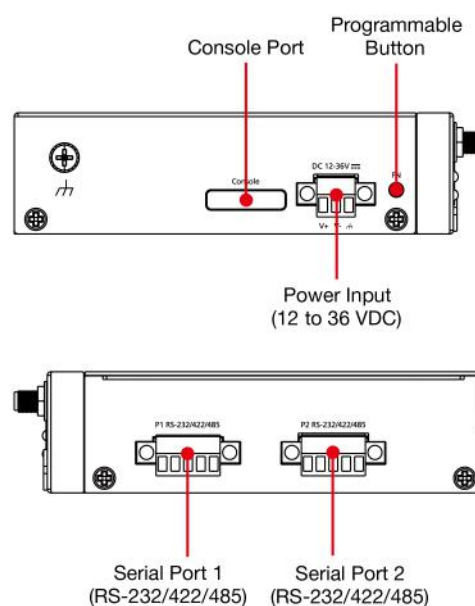
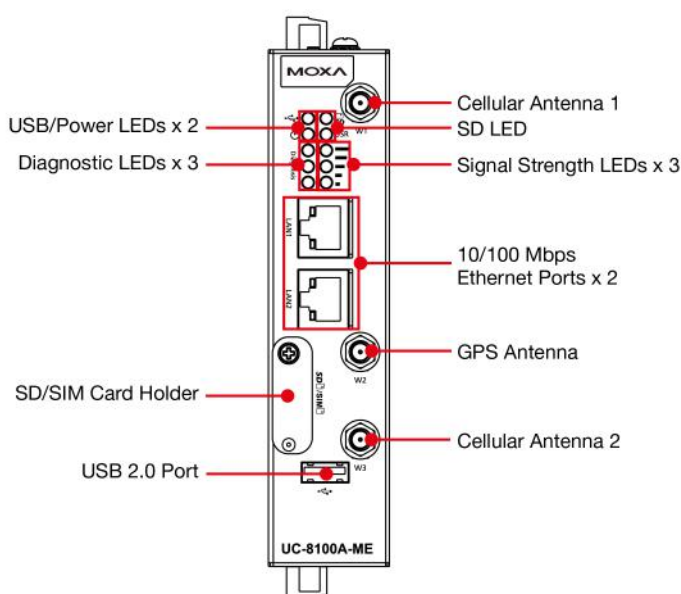
Introduction

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.

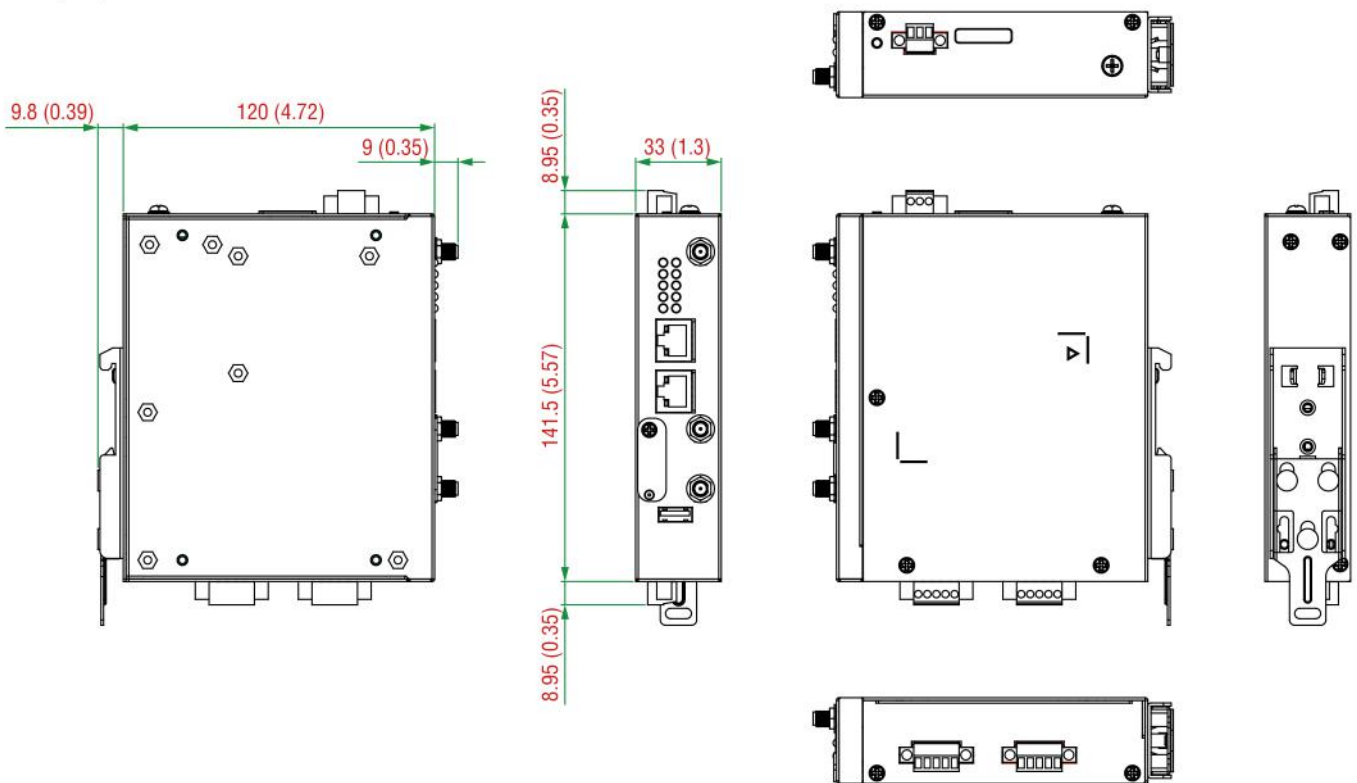
Appearance



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

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|--------------------------|--|
| UC-8100A-ME DIN-Rail Kit | DIN-rail mounting kit for UC-8100A-ME-T Series |
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Wall-Mounting Kits

UC-8100A-ME Wall Mount Kit

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

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