

Futureproof Your Edge Computing Applications



Arm-Based Linux Industrial Computing Solution





Easy-to-Develop, Easy-to-Maintain IIoT Gateways for Your Projects

It can be a challenge to find an Industrial IoT gateway that easily connects geographically dispersed devices to the cloud, especially in outdoor or rugged environments. Moxa's UC Series industrial computers are highly integrated Arm-based Linux platforms that include Moxa Industrial Linux. To address the need for an extended life cycle for products in applications such as renewable energy monitoring, intelligent transportation systems, production line monitoring, and oil & gas artificial lift monitoring, the UC Series computers are ruggedized and come with 10-year Linux support*. Recognized for their reliable performance in large-scale deployments worldwide, Moxa's UC Series IIoT Gateways are a trusted choice for your IIoT applications.



Long-Term Support

- Moxa Industrial Linux with **10-year, long-term Linux support***
- Industry-leading **5-year** hardware warranty



Reliable Operation

- **-40 to 85°C** wide operating temperature (-40 to 70°C with 4G LTE)
- **Wi-Fi/LTE** redundancy
- **Crash-free** robust file system



Stronger Security

- Supports **TPM 2.0** security chip on Linux
- Provides utility to enable **IEC 62443-4-2** security level

About Moxa Industrial Linux



Moxa Industrial Linux (MIL) is a high-performance industrial-grade Linux distribution developed by Moxa to help accelerate your industrial projects. MIL is based on Debian and the standard Linux kernel, which make it easy to deploy applications on multiple systems.

To address the long-term system needs of smart cities and industries such as energy, water, oil & gas, transportation, and factory automation, MIL provides 10-year long-term Linux support* that includes security patches and bug fixes, making your industrial projects secure and sustainable.

In addition, Moxa is working with industry leaders to create a reliable and secure Linux-based embedded software platform that can be sustained for more than 10 years. Moxa is a member of The Linux Foundation® and is part of its Civil Infrastructure Platform (CIP) project that aims to create an open-source platform for managing and monitoring smart cities, civil infrastructure, and factories to make them secure, reliable, scalable, and sustainable.

* Terms and conditions apply. Contact Moxa for details.

Product Specifications



Form Factor	Palm-Sized	DIN-Rail	DIN-Rail
Model	UC-2100 Series	UC-3100 Series	UC-5100 Series
CPU	TI AM335x Cortex-A8 600 MHz / 1 GHz	TI AM335x Cortex-A8 1 GHz	TI AM335x Cortex-A8 1 GHz
RAM / Storage	Up to 512 MB / 8 GB	512 MB / 4 GB	512 MB / 8 GB
Serial Ports	Up to 2	Up to 2	4
CAN Ports	-	Up to 1	Up to 2
LAN Ports	Up to 2	2	2
Wireless Expansion	Wi-Fi / LTE Cat 1, 3, 4	Built-in Wi-Fi / LTE Cat 1	Wi-Fi / LTE Cat 1, 3, 4
Operating Temperature	-40 to 75°C	-30 to 70°C (with LTE Module)	<ul style="list-style-type: none"> -40 to 85°C -40 to 70°C (with LTE Module)
Datasheet	www.moxa.com/doc/specs/UC-2100_Series.pdf	www.moxa.com/doc/specs/UC-3100_Series.pdf	www.moxa.com/doc/specs/UC-5100_Series.pdf



Form Factor	DIN-Rail	Box-Type	Rackmount
Model	UC-8100-ME-T Series	UC-8410A Series	DA-662A Series
CPU	TI AM335x Cortex-A8 1 GHz	NXP LS1021A Cortex-A7 Dual 1GHz	MoxaMacro 500 MHz
RAM / Storage	1 GB / 4 GB	1 GB / 8 GB	128 MB / 32 MB
Serial Ports	2	8	8 or 16
CAN Ports	-	-	-
LAN Ports	2	3	4
Wireless Expansion	LTE Cat 3	Wi-Fi / LTE Cat 3	-
Operating Temperature	<ul style="list-style-type: none"> -40 to 85°C -40 to 70°C (with LTE Module) 	-40 to 75°C	-10 to 60°C
Datasheet	www.moxa.com/doc/specs/UC-8100-ME-T_Series.pdf	www.moxa.com/doc/specs/UC-8410A_Series.pdf	www.moxa.com/doc/specs/DA-662A_Series.pdf



Reliable Networks ▲ Sincere Service

Your Trusted Partner in Automation

Moxa is a leading provider of edge connectivity, industrial computing, and network infrastructure solutions for enabling connectivity for the Industrial Internet of Things. With over 30 years of industry experience, Moxa has connected more than 50 million devices worldwide and has a distribution and service network that reaches customers in more than 70 countries. Moxa delivers lasting business value by empowering industry with reliable networks and sincere service for industrial communications infrastructures.

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