



Choose the Right IIoT Edge Gateway

Arm-based Computers

NEW



Series	AIG-300 Series	UC-2100 Series	UC-3100 Series	UC-5100 Series	UC-8100 Series	UC-8100A-ME-T Series	UC-8200 Series
	Learn More ▶	Learn More ▶	Learn More ▶	Learn More ▶	Learn More ▶	Learn More ▶	Learn More ▶
Computer							
CPU	Arm v7 Cortex-A7 dual-core 1 GHz	Arm Cortex-A8 up to 1 GHz	Arm Cortex-A8 1 GHz	Arm Cortex-A8 1 GHz	Arm Cortex-A8 up to 1 GHz	Arm Cortex-A8 1 GHz	Arm Cortex-A7 dual core, 1 GHz
Memory	2 GB	Up to 512 MB	1 GB	512 MB	Up to 512 MB	1 GB	2 GB
Storage Preinstalled	16 GB	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB
Moxa Industrial Linux (Debian 9, Kernel 4.4)	✓	✓	✓	✓	✓	✓	✓
TPM 2.0	✓	-	✓	-	-	-	Optional
Ethernet Ports	2 x GbE LAN	Up to 1 x GbE LAN, 1 x LAN	2 x LAN	2 x LAN	Up to 2 x LAN	2 x LAN	2 x GbE LAN
Serial Ports (RS-232/422/485)	2	Up to 2	Up to 2	4	2	2	2
Wireless							
Cellular Connectivity	LTE Cat. 4*	LTE Cat. 1**	Built-in LTE Cat. 1	LTE Cat. 1**	LTE Cat. 4**	LTE Cat. 4*	LTE Cat. 4*
Wi-Fi	802.11 a/b/g/n/ac**	802.11 a/b/g/n/ac**	802.11 a/b/g/n*	802.11 a/b/g/n/ac**	802.11 a/b/g/n/ac**	-	802.11 a/b/g/n/ac**
GPS	Available on LTE	Available on LTE	Available on LTE	Available on LTE	Available on LTE	Available on LTE	Available on LTE
Carrier Approval	Verizon, AT&T	-	Verizon, AT&T	-	-	Verizon, AT&T	Verizon, AT&T
Industrial Certifications							
Hazardous	Class I Division 2, ATEX Zone 2	Class I Division 2, ATEX Zone 2*	Class I Division 2, ATEX Zone 2, IECEx Zone 2	-	-	Class I Division 2, ATEX Zone 2, IECEx Zone 2	Class I Division 2, ATEX Zone 2
IoT Certifications							
Azure Certified Device	✓	✓	✓	✓	✓	✓	✓
Azure Edge Managed	✓	✓	✓	✓	✓	✓	✓
AWS IoT Core	-	✓	✓	✓	✓	✓	✓
AWS Greengrass	-	-	-	-	-	-	✓
IIoT Software							
ThingsPro Edge	✓	✓ (UC-2112 only)	✓	-	✓ (UC-8112 only)	✓	✓

* Only applies to certain models. Contact a Moxa sales representative for details.

** Requires optional accessory.

x86 Computers



NEW



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Series	AI-G500 Series	V2201 Series	V2403C Series	V2406C Series	MC-1100 Series	MC-1220 Series	MC-7400 Series	DA-681C Series	DA-682C Series	DA-720 Series	DA-820C Series
	Learn More	Learn More	Learn More	Learn More	Learn More	Learn More	Learn More	Learn More	Learn More	Learn More	Learn More
Computer											
CPU	Intel® Atom® E3845	Intel® Atom® E3800	Intel® Core™ i7-7600U Intel® Core™ i5-7300U Intel® Core™ i3-7100U Intel® Celeron® 3965U	Intel® Core™ i7-7600U Intel® Core™ i5-7300U Intel® Core™ i3-7100U Intel® Celeron® 3965U	Intel® Atom® E3800	Intel® Core™ i7-7600U Intel® Core™ i5-7300U Intel® Celeron® 3965U	Intel® Celeron® G3902E Intel® Core™ i5-6442EQ Intel® Core™ i7-6822EQ	Intel® Celeron® 3965U Intel® Core™ i3-7100U	Intel® Core™ i7-7600U Intel® Core™ i5-7300U Intel® Core™ i3-7100U Intel® Celeron® 3965U	Intel® Core™ i7-6600U Intel® Core™ i5-6300U	Intel® Xeon® E3-1505M v6 Intel Xeon® E3-1505L v6 Intel® Core™ i7-7820EQ Intel® Core™ i5-7442EQ Intel® Core™ i3-7102E
Memory	DDR3L 4GB	DDR3L 2 or 4GB (max. 8 GB)	DDR4 slot x 2 (max. 32 GB)	DDR4 slot x 2 (max. 32 GB)	DDR3L 4GB (max. 8 GB)	DDR4 8GB (max. 32 GB)	DDR4 slot x 2 (max. 32 GB)	DDR4 slot x 2 (max. 32 GB)	DDR4 slot x 2 (max. 32 GB)	DDR4 slot x 2 (max. 32 GB)	DDR4 slot x 2 (max. 64 GB)
Storage Expansion	CFast x 1	mSATA x 1 SD x 1	mSATA x 1 HDD/SSD x 2	mSATA x 1 HDD/SSD x 2	CFast x 1 SD x 0 or 1	mSATA x 1 SATA 3.0 x 1	HDD/SSD x 2	mSATA x 1 HDD/SSD x 1	mSATA x 1 HDD/SSD x 2	mSATA x 1 HDD/SSD x 1	mSATA x 1 HDD/SSD x 4
OS	Debian 9	Debian 9	Debian 9	Debian 9	Debian 9	Debian 9	Debian 9	Debian 9	Debian 9	Debian 8	Debian 9
TPM 2.0	✓	-	Optional	Optional	-	Optional	-	-	-	-	✓
Ethernet Ports	RJ45 x 4 (10/100/1000 Mbps)	RJ45 x 2 (10/100/1000 Mbps)	RJ45 x 4 (10/100/1000 Mbps)	M12 X-coded x 2 (10/100/1000 Mbps)	RJ45 x 2 or 4 (10/100/1000 Mbps)	RJ45 x 2 (10/100/1000 Mbps)	RJ45 x 5 (10/100/1000 Mbps)	RJ45 x 6 (10/100/1000 Mbps)	RJ45 x 6 (10/100/1000 Mbps)	RJ45 x 14 (10/100/1000 Mbps)	RJ45 x 4 (10/100/1000 Mbps)
Serial Ports	DB9 x 4 (RS-232/422/485)	DB9 x 2 (RS-232/422/485)	DB9 x 4 (RS-232/422/485)	DB9 x 4 (RS-232/422/485)	DB9 x 0 or 2 or 4 (RS-232/422/485)	DB9 x 2 (RS-232/422/485)	DB9 x 2 (RS-232) DB9 x 2 (RS-232/422/485)	DB9 x 2 (RS-232) Terminal block x 10 (RS-485)	DB9 x 2 (RS-232/422/485) Terminal block x 2 (RS-232/422/485)	Terminal block x 2 (RS-232/422/485)	DB9 x 2 (RS-232/422/485)
Display	VGA x 1	HDMI x 1	HDMI x 1 DP x 1	VGA x 1 HDMI x 1	VGA x 1 DP x 0 or 1	HDMI x 1	DVI-I x 1 DVI-D x 1 DP x 1	HDMI x 2	HDMI x 2	DVI-D x 1 VGA x 1	HDMI x 2 VGA x 1
Expansion Slot	-	-	-	-	-	-	-	-	Proprietary PCIe slots x 2	Proprietary PCIe slots x 3	PCIe x1 slots x 2, PCIe x4 slots x 1, PCIe x16 slots x 1, PCI slots x 1
Wireless											
Cellular	LTE Cat. 4**	-	LTE Cat. 4**	LTE Cat. 4**	LTE Cat. 4**	-	-	-	-	-	-
Wi-Fi	802.11 a/b/g/n**	802.11 a/b/g/n**	802.11 a/b/g/n/ac**	802.11 a/b/g/n/ac**	802.11 a/b/g/n**	802.11 a/b/g/n**	-	-	-	-	-
GPS	Available on LTE	-	Available on LTE	Available on LTE	-	-	-	-	-	-	-
Interface Expansion	Mini-PCIe x 1	Mini-PCIe x 2	Mini-PCIe x 2	Mini-PCIe x 2	Mini-PCIe x 1 (MC-1121/MC-1122)	Mini-PCIe x 3	-	-	-	-	-
IoT Certifications											
Azure Certified Device	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Azure Edge Managed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AWS IoT Core	-	✓	✓	✓	✓	✓	✓	✓	✓	-	✓
Industrial Certifications											
Rail	-	-	EN 50121-4	EN 50155:2017, EN 50121-4	-	-	-	EN 50121-4	EN 50121-4	EN 50121-4	EN 50121-4
Marine	-	-	-	-	DNV GL, IEC 60945	-	IEC 60945	-	-	-	-
Power Substation	-	-	-	-	-	-	-	IEC 61850-3, IEEEE 1613, IEC 60255	IEC 61850-3, IEEEE 1613, IEC 60255	IEC 61850-3, IEEEE 1613, IEC 60255	IEC 61850-3, IEEEE 1613, IEC 60255
Hazardous Certifications	Class I Division 2, ATEX Zone 2	-	-	-	Class I Division 2, ATEX Zone 2, IECEx Zone 2	Class I Division 2, ATEX Zone 2, IECEx Zone 2	-	-	-	-	-

** Requires optional accessory.

Panel Computers and Displays



Series	MPC-2070 Series	MPC-2120 Series	MPC-2101 Series	MPC-2121 Series
	Learn More ▶	Learn More ▶	Learn More ▶	Learn More ▶
Computer				
Panel Size	7" (5:3)	12" (4:3)	10" (4:3)	12" (4:3)
Pixel	800 x 480	1024 x 768	1024 x 768	1024 x 768
Panel Brightness	350 /1,000 nits	500 /1,000 nits	500 /1,000 nits	500 /1,000 nits
CPU	Intel® Atom® E3800	Intel® Atom® E3800	Intel® Atom® E3800	Intel® Atom® E3800
Memory Preinstalled	4 GB	4 GB	4 GB	4 GB
OS	Linux Debian 9	Linux Debian 9	Linux Debian 9	✓
Touchscreen	Capacitive	Capacitive	Capacitive	Capacitive
Ethernet Ports	RJ45 x 2 (10/100/1000 Mbps)	RJ45 x 2 (10/100/1000 Mbps)	M12 D-coded x 2 (10/100 Mbps)	M12 D-coded x 2 (10/100 Mbps)
Serial Ports	DB9 x 2 (RS-232/422/485)	DB9 x 2 (RS-232/422/485)	M12 A-coded x 1 (RS-232/422/485)	M12 A-coded x 1 (RS-232/422/485)
IoT Certifications				
Azure Certified Device	✓	✓	✓	✓
Azure Edge Managed	✓	✓	✓	✓
AWS IoT Core	✓	✓	✓	✓
Industrial Certifications				
Rail	-	-	EN 50155:2017	EN 50155:2017
Marine	DNV GL, EU-RO-MR	DNV GL, EU-RO-MR	-	-
Hazardous	Class I Division 2, ATEX Zone 2, IECEx Zone 2	Class I Division 2, ATEX Zone 2, IECEx Zone 2	-	-