



## Choose the Right IIoT Edge Gateway

# Arm-based Computers



Series	UC-2100 Series	UC-3100 Series	UC-5100 Series	UC-8100 Series	UC-8100A-ME-T Series	UC-8200 Series
	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>
<b>Computer</b>						
<b>CPU</b>	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
<b>Memory</b>	Up to 512 MB	1 GB	512 MB	Up to 512 MB	1 GB	2 GB
<b>Storage Preinstalled</b>	8 GB	8 GB	8 GB	8 GB	8 GB	8 GB
<b>Moxa Industrial Linux (Debian 9, Kernel 4.4)</b>	✓	✓	✓	✓	✓	✓
<b>TPM 2.0</b>	-	✓	-	-	-	Optional
<b>Ethernet Ports</b>	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
<b>Serial Ports (RS-232/422/485)</b>	Up to 2	Up to 2	4	2	2	2
<b>Wireless</b>						
<b>Cellular Connectivity</b>	LTE Cat. 1**	Built-in LTE Cat. 1	LTE Cat. 1**	LTE Cat. 4**	LTE Cat. 4*	LTE Cat. 4*
<b>Wi-Fi</b>	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**
<b>GPS</b>	Available on LTE	Available on LTE	Available on LTE	Available on LTE	Available on LTE	Available on LTE
<b>Carrier Approval</b>	-	Verizon, AT&T	-	-	Verizon, AT&T	Verizon, AT&T
<b>Industrial Certifications</b>						
<b>Hazardous</b>	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
<b>IoT Certifications</b>						
<b>Azure Certified Device</b>	✓	✓	✓	✓	✓	✓
<b>Azure Edge Managed</b>	✓	✓	✓	✓	✓	✓
<b>AWS IoT Core</b>	✓	✓	✓	✓	✓	✓
<b>IIoT Software</b>						
<b>ThingsPro Edge</b>	✓ (UC-2112 only)	✓	-	✓ (UC-8112 only)	✓	✓

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

\*\* Requires optional accessory.

# x86 Computers



Series	V2201 Series	V2406C Series	MC-1100 Series	MC-1220 Series	DA-681C Series	DA-682C Series	DA-720 Series	DA-820C Series
	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>
<b>Computer</b>								
<b>CPU</b>	Intel® Atom® E3800	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® 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
<b>Memory</b>	DDR3L 2 or 4GB (max. 8 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. 64 GB)
<b>Storage Expansion</b>	mSATA x 1 SD x 1	mSATA x 1 HDD/SSD x 2	CFast x 1 SD x 0 or 1	mSATA x 1 SATA 3.0 x 1	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
<b>OS</b>	Debian 9	Debian 9	Debian 9	Debian 9	Debian 9	Debian 9	Debian 8	Debian 9
<b>TPM 2.0</b>				Optional				✓
<b>Ethernet Ports</b>	RJ45 x 2 (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 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)
<b>Serial Ports</b>	DB9 x 2 (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-232/422/485) 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)
<b>Display</b>	HDMI x 1	VGA x 1, HDMI x 1	VGA x 1 DP x 0 or 1	HDMI x 1	HDMI x 2	HDMI x 2	DVI-D x 1 VGA x 1	HDMI x 2 VGA x 1
<b>Expansion Slot</b>	-	-	-	-	-	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
<b>Wireless</b>								
<b>Cellular</b>	-	LTE Cat. 4**	LTE Cat. 4**	-	-	-	-	-
<b>Wi-Fi</b>	802.11 a/b/g/n**	802.11 a/b/g/n/ac**	802.11 a/b/g/n**	802.11 a/b/g/n**	-	-	-	-
<b>GPS</b>	-	Available on LTE	-	-	-	-	-	-
<b>Interface Expansion</b>	Mini-PCIe x 2	Mini-PCIe x 2	Mini-PCIe x 1 (MC-1121/MC-1122)	Mini-PCIe x 3	-	-	-	-
<b>IoT Certifications</b>								
<b>Azure Certified Device</b>	✓	✓	✓	✓	✓	✓	✓	✓
<b>Azure Edge Managed</b>	✓	✓	✓	✓	✓	✓	✓	✓
<b>AWS IoT Core</b>	✓	✓	✓	✓	✓	✓	-	✓
<b>Industrial Certifications</b>								
<b>Rail</b>	-	EN 50155:2017, EN 50121-4	-	-	EN 50121-4	EN 50121-4	EN 50121-4	EN 50121-4
<b>Marine</b>	-	-	DNV GL, IEC 60945	-	-	-	-	-
<b>Power Substation</b>	-	-	-	-	IEC 61850-3, IEEE 1613, IEC 60255	IEC 61850-3, IEEE 1613, IEC 60255	IEC 61850-3, IEEE 1613, IEC 60255	IEC 61850-3, IEEE 1613, IEC 60255
<b>Hazardous Certifications</b>	-	-	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
	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>	<a href="#">Learn More ▶</a>
<b>Computer</b>				
<b>Panel Size</b>	7" (5:3)	12" (4:3)	10" (4:3)	12" (4:3)
<b>Pixel</b>	800 x 480	1024 x 768	1024 x 768	1024 x 768
<b>Panel Brightness</b>	350 /1,000 nits	500 /1,000 nits	500 /1,000 nits	500 /1,000 nits
<b>CPU</b>	Intel® Atom® E3800	Intel® Atom® E3800	Intel® Atom® E3800	Intel® Atom® E3800
<b>Memory Preinstalled</b>	4 GB	4 GB	4 GB	4 GB
<b>OS</b>	Linux Debian 9	Linux Debian 9	Linux Debian 9	✓
<b>Touchscreen</b>	Capacitive	Capacitive	Capacitive	Capacitive
<b>Ethernet Ports</b>	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)
<b>Serial Ports</b>	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)
<b>IoT Certifications</b>				
<b>Azure Certified Device</b>	✓	✓	✓	✓
<b>Azure Edge Managed</b>	✓	✓	✓	✓
<b>AWS IoT Core</b>	✓	✓	✓	✓
<b>Industrial Certifications</b>				
<b>Rail</b>	-	-	EN 50155:2017	EN 50155:2017
<b>Marine</b>	DNV GL, EU-RO-MR	DNV GL, EU-RO-MR	-	-
<b>Hazardous</b>	Class I Division 2, ATEX Zone 2, IECEx Zone 2	Class I Division 2, ATEX Zone 2, IECEx Zone 2	-	-