

Edge Computers

Compact Series



Model Name		ARK-1124C	ARK-1124U	ARK-1124H	ARK-1125C	ARK-1125H
CPU	CPU	Intel® Celeron® DC N3350	Intel® Celeron® DC N3350	Intel® Atom® QC E3940	Intel® Atom® X7211E	Intel® N200
	Core Number	2	2	4	2	4
Memory	Max. Capacity	DDR3L 1600 MHz, up to 8GB	DDR3L 1600 MHz, up to 8GB	DDR3L 1600 MHz, up to 8GB	DDR5 4800 MHz, up to 16GB	DDR5 4800 MHz, up to 16GB
	Socket	1 x 204-pin SODIMM	1 x 204-pin SODIMM	1 x 204-pin SODIMM	1 x 262-pin SODIMM	1 x 262-pin SODIMM
Display	VGA	1 x VGA, up to 2048 x 1280 @ 60Hz	1 x VGA, up to 2048 x 1280 @ 60Hz	-	-	-
	HDMI/DP	-	-	2 x Lockable HDMI, up to 3840 x 2160 @ 30Hz	1 x HDMI: 4096 x 2160 @ 60Hz	2 x HDMI: 4096 x 2160 @ 60Hz
Expansion Interface	Mini PCIe	1 x full-size MiniPCIe	1 x full-size MiniPCIe w/ SIM	1 x full-size MiniPCIe w/ SIM	-	-
	M.2	-	1, 2230 E-Key for Wi-Fi	1, 2230 E-Key for Wi-Fi	3 (1 x E-Key 2230, 1 x B-Key 2280, 1 x M-Key 2242)	2 (1 x E-Key 2230, 1 x B-Key 2280)
	i Door	Yes	Yes	Yes	-	-
Ethernet	Controller	GbE1: Intel i210 GbE	GbE1: Intel i210 GbE; GbE2: Intel i210 GbE	GbE1: Intel i210 GbE; GbE2: Intel i210 GbE	GbE1: Intel i226-LM GbE	GbE1: Intel i226-LM GbE; GbE2: Intel i226-LM GbE
	Wake on LAN	Yes	Yes	Yes	Yes	Yes
Audio	CODEC	Realtek ALC-888S-VD2-GR	ALC-888S-VD2-GR	ALC-888S-VD2-GR	ALC-888S-VD2-GR	ALC-888S-VD2-GR
	Connector	Line-in, Line-out	Line-in, Line-out	Line-in, Line-out	Mic-in, Line-out	Mic-in, Line-out
Watchdog Timer		Yes	Yes	Yes	Yes	Yes
Storage	SATA	1 x 2.5" SATA drive bay (Max 9.5mm height)	1 x 2.5" SATA drive bay (Max 9.5mm height only)	1 x 2.5" SATA drive bay (Max 9.5mm height only)	-	-
	mSATA	1 x half-size mSATA	-	1 x half-size mSATA	-	-
	M.2	-	-	-	3x, (recommend: 1x M.2 2280 B key (PCIe x1), 1x M.2 2242 M key (PCIe x1), SATA shared with NVMe), 1x M.2 2230 E key (PCIe x1))	2x, (recommend: 1x M.2 2280 B key (PCIe x1), 1x M.2 2230 E key (PCIe x1))
I/O Port	USB Type A	2 x USB 3.0	4 x USB 3.0	4 x USB 3.0	2 x USB 3.2, 2 x USB 2.0	2 x USB 3.2, 2 x USB 2.0
	USB Type C	-	-	-	-	-
	GPIO	-	-	-	8-bit programmable DIO	8-bit programmable DIO
	COM	4 x RS-232/422/485	2 x RS-232/422/485	1 x RS-232/422/485	4 x RS232/422/485	2 x RS232/ 422/ 485
	Others	-	-	-	Optional 1 x CANBus, by replacing DIO	2 x CANBus
Power	Power Supply Voltage	Default: 12 V ^{DC} optional: 12 V ^{DC} - 24V ^{DC} by power module	Default: 12 V ^{DC} optional: 12 V ^{DC} - 24V ^{DC} by power module	Default: 12 V ^{DC} optional: 12 V ^{DC} - 24V ^{DC} by power module	12 V ^{DC}	12 V ^{DC}
	Power Consumption (full loading)	5.5W/10.2W	5W/15.7W	6.02W/15.7W	10.05W/19.72W	10.54W/29.18W
	Power Adapter	Lockable AC to DC, DC 12V/3A, 36W	Lockable AC to DC, DC 12V/5A, 60W	Lockable AC to DC, DC 12V/5A, 60W	Lockable AC to DC, DC 12V/5A, 60W	Lockable AC to DC, DC 12V/5A, 60W
Environment	Operating Temperature (air flow 0.7 m/s)	With extended temperature peripherals: -20 ~ 60°C	With extended temperature peripherals: -30 ~ 60°C			
	Vibration & Shock Resistance (with SSD/mSATA)	Vibration: IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis. Shock: IEC 60068-2-27, half sine, 11 ms duration	Vibration: IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis. Shock: IEC 60068-2-27, half sine, 11 ms duration	Vibration: IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis. Shock: IEC 60068-2-27, half sine, 11 ms duration	3 Grms, IEC60068-2-64, random, 5~500 Hz, 1hr/axis (with wall mount)	3 Grms, IEC60068-2-64, random, 5~500 Hz, 1hr/axis (with wall mount)
Physical Characteristics	Dimensions (W x H x D mm)	Default: 133 x 46.4 x 94.2 mm Dual Layer: 133 x 83.6 x 94.2 mm	Single Layer: 133 x 46.4 x 94.2mm Dual Layer: 133 x 83.6 x 94.2mm	Default: 133 x 46.4 x 94.2 mm Dual Layer: 133 x 83.6 x 94.2 mm	133 x 46.4 x 94.2 mm (5.24 x 1.83 x 3.71 in)	133 x 46.4 x 94.2 mm (5.24 x 1.83 x 3.71 in)
	Weight	0.7 Kg (1.55lb)	0.7 Kg (1.55lb)	0.7 Kg (1.55lb)	0.7 Kg (1.55lb)	0.7 Kg (1.55lb)
	Mounting	Optional DIN-rail / VESA / wall mount	Optional DIN-rail / VESA / wall mount			
Operating System	Microsoft Windows	Windows 10 64-bit	Windows 10 64-bit	Windows 10 64-bit	Windows 10/11 64-bit	Windows 10/11 64-bit
	Linux	Yes (by project inquiry)	Yes (by project inquiry)			
Security & Manageability	DeviceOn	Yes	Yes	Yes	Yes	Yes
	Trellix, Acronis	Yes	Yes	Yes	Yes	Yes
	TPM / EdgeBMC	-	Yes (TPM on board) / No EdgeBMC	Yes (TPM on board) / No EdgeBMC	Yes (TPM on board) / No EdgeBMC	Yes (TPM on board) / No EdgeBMC
	IEC-62443 Pre-Certified/VOC	-	-	-	Yes	-

Note: "-" means Not Applicable (N/A).

DIN-Rail Series



ARK-1221L	ARK-1222	ARK-1250L	ARK-1251	ARK-2250L	ARK-2251
Intel® Atom® x6413E Intel® Celeron® N6210 Intel® Celeron® J6412	Intel® Atom® x7433RE Intel® N97 Intel® i3-N305	Intel® Core i3-1115G4E Intel® Core i5-1145G7E Intel® Core i7-1185G7E (by project)	Intel® Core Ultra 5 125U Intel® Core Ultra 7 155U	Intel® Core i7-6600U/ Intel® Core i3-6100U/ Intel® Core i7-7600U/ Intel® Core i3-7100U	Intel® Core i3-1315UE/ Intel® Core i5-1335UE/ Intel® Core i7-1365UE
4/2/4	4/4/8	2/4/4	12/12	2	2P+4E/2P+8E
DDR4 3200 MHz, up to 32GB	DDR5 4800 MHz, up to 16GB (Built-in)	DDR4 3200 MHz, up to 64GB	DDR5 5600 MHz, up to 96GB	DDR4 2133 MHz	DDR5 4800MHz
2 x 260-pin SO-DIMM	1x 262-pin SO-DIMM	2 x 260-pin SODIMM	2 x 262-pin SODIMM	1 x 260-pin SODIMM	2 x 262-pin SODIMM
-	-	1 x VGA, up to 1920 x 1200 @ 60Hz	-	1 x VGA, Up to 1920 x 1200 @ 60Hz	-
1 x HDMI: 4096 x 2160 @ 60 Hz 1 x DP: 4096 x 2160 @ 60 Hz	2 x HDMI: 4096 x 2160 @ 60 Hz	1 x HDMI: 4096 x 2160 @ 60 Hz 2 x HDMI: 4096 x 2160 @ 60Hz (supported by A2)	1 x HDMI: 4096 x 2160 @ 60 Hz 1 x DP: 4096 x 2160 @ 60 Hz	DP and HDMI(Optional) HDMI 4096 x 2160 @ 24Hz	2 x HDMI (4096 x 2304 @ 60Hz)
1 x full-size mPCIe	1 x full-size mPCIe	1 x full-size mPCIe	-	2 x full-size Mini-PCIe (one with SIM holder, one supporting mSATA)	1 x full-size Mini-PCIe (supports mSATA)
2 (1 x E-Key, 1 x B-Key)	2 (1 x E-Key, 1 x B-Key)	2 (1 x E-Key, 1 x B-Key)	3 (1 x E-Key, 1 x B-Key, 1 x M-key)	-	2 (1 x E-Key, 1 x M-Key)
-	Yes	Yes	Yes	Supported	Supported
GbE1: Intel i225-LM GbE GbE2: Intel i225-LM GbE	GbE1: Intel i226-IT GbE GbE2: Intel i226-IT GbE	GbE1/3: Intel i225 GbE; GbE2: Intel i219 GbE; GbE4: Intel i225 GbE (supported by A2)	GbE1/2: Intel i226LM GbE GbE3: Intel i210 GbE:	Intel i219 GbE	GbE1: Intel i219 GbE GbE2/3: Intel i226 GbE
Yes	Yes	Yes	Yes	-	-
Realtek ALC888S	Realtek ALC888S	Realtek ALC888S	Realtek ALC888S	Realtek ALC888S	Realtek ALC888S
Line-out/Mic-in (switch)	Mic-in, Line-out	Line-out/Mic-in (switch)	Mic-in, Line-out	Line-out, Mic-in	Line-out, Mic-in
Yes	Yes	Yes	Yes	Yes	Yes
1 x 2.5" SATA drive bay (Max 9.5mm height)	-	1 x 2.5" SATA drive bay (Max 9.5mm height)	-	1 x 2.5" SATA III HDD bay (Max 12.5mm in height)	-
1 x full-size mSATA (shared with mPCIe)	1 x full-size mSATA (shared with mPCIe)	1 x full-size mSATA (shared with mPCIe)	-	1 x full-size mSATA share with miniPCIe	1 x full-size mSATA share with main mPCIe
1 x B key, 1 x E key	1 x B-Key, 1 x E key	-	1x B Key, 1x M Key	-	-
2 x USB 3.2, 2 x USB 2.0	2 x USB3.2, 2 x USB2.0	3 x USB3.2, 3 x USB2.0 1 x internal USB 2.0 (by project)	2 x USB3.2, 4 x USB2.0	6 (4 x USB 3.0, 2 x USB 2.0)	6 (Gen1)
-	-	-	-	-	-
8-bit programmable DIO	8-bit programmable DIO	8-bit programmable DIO	8-bit programmable DIO	8-bit programmable DIO	8-bit programmable DIO
2 x RS-232/422/485	4 x RS-232/422/485	4 x RS-232/422/485	2 x RS-232/422/485, 2 x RS-422/485	4 x RS232/ 422/ 485	6 x RS232/ 422/ 485
Optional: 1 x CANBus	Optional: 2 x CANBus	Optional: 1 x CANBus	Optional: 1 x CANBus (replacing GPIO)	-	-
12 ~ 28 V ^{DC}	12 ~ 28 V ^{DC}	12~24 V ^{DC}	12 ~ 28 V ^{DC}	Default: 12 V ^{DC} , ± 10%; Optional : 9-36 V ^{DC}	12 ~ 24 V ^{DC}
Atom x6413E: 9.6W/18.96W Celeron N6210: 12.66W/21.89W Celeron J6412: 12.97W/26.46W	Atom X7433RE: 11.11W/29.3W N97:12.95W/32.8W i3-N305:14.47W/49.08W	Core i3-1115G4E: 18W/30.6W Core i5-1145G7E: 19.8W/35.1W	Core Ultra 5 125U: 18.19W/61.74W Core Ultra 7 155U: 17.83W/59.44W	6.92W (i3-6100U) / 7.96W (i7-6600U)	19.05W(i3-1315UE) / 19.30W(i5-1335UE) / 19.47W(i7-1365UE)
Optional: Lockable AC to DC, DC 24V/2.5A, 60W	Optional: AC to DC 19V/4.74A, 90W	Default: AC to DC, DC 19V/4.74A, 90W Optional: AC to DC, DC 24V/5A, 120W	Optional: AC to DC, DC 24V/5A, 120W	Lockable AC to DC, DC 12V/5A, 60W (Optional)	120W
With extended temperature peripherals: Atom x6413E: -40 ~ 60°C Celeron N6210/J6412: -20 ~ 60°C	With extended temperature peripherals: Atom X7433RE: -40 ~ 70°C Intel N97/i3-N305: -20 ~ 60°C	With extended temperature peripherals: -40 ~ 60°C	With extended temperature peripherals: -20 ~ 60°C	With extended temperature peripherals: -20 ~ 60°C	With extended temperature peripherals: -20 ~ 60°C
Vibration: IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis (with wall mount) Shock: IEC 60068-2-27, half sine, 11 ms duration (with wall mount)	Vibration: IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis (with wall mount) Shock: IEC 60068-2-27, half sine, 11 ms duration (with wall mount)	Vibration: IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis. (with wall mount) Shock: IEC 60068-2-27, half sine, 11 ms duration (with wall mount)	Vibration: IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis. (with wall mount) Shock: IEC 60068-2-27, half sine, 11 ms duration (with wall mount)	With SSD: 3 Grms, random, 5 ~ 500 Hz, 1 hr/axis.	With SSD: 3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis.
60 x 158 x 114 mm	60 x 158 x 114 mm	60 x 173 x 141 mm	60 x 173 x 141 mm	260 x 54 x 140.2 mm (10.24 x 2.13 x 5.52 in)	260 x 54 x 140.2 mm (10.24 x 2.13 x 5.52 in)
1.05kg (2.31lb)	0.94kg (2.07lb)	1.5kg (3.3lb)	1.5kg (3.3lb)	2.3kg (5.06lb)	2.3kg (5.06lb)
Default DIN-rail Optional VESA / wall mount	Default DIN-rail Optional VESA / wall mount	Default DIN-rail Optional VESA / wall mount	Default DIN-rail Optional VESA / wall mount	Desk / Wall / VESA / DIN-Rail Mount	Wall Mount
Windows 10/11 64-bit	Windows 10/11 64-bit	Windows 10/11 64-bit	Windows 10/11 64-bit	Windows 8.1, Windows 10	Windows 10, Windows 11
Ubuntu 20.04	Ubuntu 24.04	Ubuntu 20.04/Ubuntu 22.04	Ubuntu 24.04	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes (optional: AMO-I029A) / No EdgeBMC	Yes (TPM on board) / No EdgeBMC	Yes (optional: AMO-I029A) / No EdgeBMC	Yes (TPM on board) / Yes (EdgeBMC)	-	Yes (optional: AMO-I029A) / No EdgeBMC
-	Yes	-	Yes	-	-

Performance Series



Model Name		ARK-3532B/C/D	ARK-3533
CPU	CPU	10 th Gen Intel Xeon W and Core i3/i5/i7/i9 processor	12 th /13 th /14 th Gen Intel Core i3/i5/i7/i9 processor 12 th /13 th
	Chipset	Intel W480E	Intel H610E
Memory	Max. Capacity	DDR4 2933 MHz, up to 64GB	DDR5 4800 MHz up to 64GB
	Socket	2 x 260-pin SODIMM	2 x 262-pin SO-DIMM
Display	VGA	1920 x 1200 @ 60Hz	-
	HDMI/DP	1 x HDMI port, HDMI 1.4 for HD video playback, 4096 x 2160 @ 30Hz; optional 3 rd display module (DVI-D/DP/HDMI)	2 x HDMI ports, HDMI 2.0 for HD video playback, 4096 x 2160 @ 60Hz, (DP by project)
	Multiple Displays	VGA+HDMI + 3 rd display module	Dual
Expansion Interface	Mini PCIe	1 x full-size Mini PCIe (supports mSATA, SIM shared with M.2)	-
	M.2	1 x M.2 Key E 2230	1 x M.2 Key E 2230 and 1 x M.2 Key B 2280
	PCIe + PCI	1 x PCIe x4, 1 x PCIe x16 for ARK-3532B 1 x PCIe x4, 2 x PCI for ARK-3532C 1 x PCIe x4, 2 x PCI, 1 x PCIe x16 for ARK-3532D	Optional 2 x PCI by AMO-3510)
	i Door	-	-
Ethernet	Controller	GbE1: Intel i219-LM GbE; GbE2/3/4: Intel i210 GbE	GbE1: Intel i219-LM GbE GbE2/3/4: Intel i226-V GbE
	Connector	Line-out/Mic-in (switch)	Line-out/Mic-in (switch)
Watchdog Timer		Yes	Yes
Storage	SATA	2 x 2.5" SATA III max. 15mm height (optional Up to 4 x 2.5 HDD bays)	2 x 2.5" SATA III (9mm height HDD bays)
	M.2	-	1 x M.2 Key B 2280 (PCIe x 2)
	mSATA	1 x mSATA socket (shared with Mini PCIe)	-
I/O	USB Type A	4x USB 3.2, 4x USB 3.0	2 x USB3.2 Gen 2, 2 x USB3.2 Gen 1, 4 x USB2.0
	USB Type C	-	-
	GPIO	16-bit	Optional 16-bit
	COM Port	4 x RS-232/422/485; 2 x RS-232 (COM3 w/ 5V/12V)	4 x RS-232/422/485; 4 x RS-232
	Others	-	Optional 2 x CANBus
Power	Power Type	AT/ATX	AT/ATX
	Power Supply Voltage	12-36 V ^{DC}	9-36 V ^{DC}
	Connector	4-pin phoenix head	4-pin phoenix head
	Power Consumption (Idle/ Full loading)	30W/64.8W	21.2W/40.4W
	Power Adapter	230W (optional)	150W/230W (optional)
Environment	Operating Temperature (air-flow 0.7 m/s)	Up to 65W processor: -20 ~ 60°C w/ 0.7m/sec air flow w/ HDD: 0 ~ 40°C w/ 0.7m/sec air flow	Up to 35W processor with extended temp peripherals: -20 ~ 60°C w/ 0.7m/sec air flow
	Vibration & Shock Resistance (with SSD/mSATA)	3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis. 30G, IEC 60068-2-27, half sine, 11 ms duration	With SSD: 3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis.
Physical Characteristics	Dimensions (W x H x D mm)	ARK-3532B/C: 156 x 204 x 230 mm ARK-3532D: 197.2 x 204 x 230 mm	200 x 75 x 215 mm
	Weight	5.7 kg (12.6 lb) for ARK-3532B/C 6.4 kg (14.1 lb) for ARK-3532D	3.2 kg (7.06 lb)
	Mounting	Desk mount	Desk mount
Operating System	Microsoft Windows	Windows 10/11	Windows 10/11
	Linux	Yes (by project inquiry)	Ubuntu 22.04/24.04
Security & Manageability	DeviceOn	DeviceOn, DeviceOn/Edge	DeviceOn, DeviceOn/Edge
	Trellix, Acronis	Yes	Yes
	TPM / EdgeBMC	TPM optional: AMO-I029A / No EdgeBMC	TPM optional: AMO-I029A / No EdgeBMC
	IEC-62443 Pre-Certified/VOC	-	Yes

Note: "-" means Not Applicable (N/A).



Model Name		ARK-3534B	ARK-3534C	ARK-3534D	ARK-3535
CPU	CPU	12 th /13 th /14 th Gen Intel Core i3/i5/i7/i9 processor 12 th /13 th	12 th /13 th /14 th Gen Intel Core i3/i5/i7/i9 processor	12 th /13 th /14 th Gen Intel Core i3/i5/i7/i9 processor	AMD Ryzen 5 Pro 8640U/ AMD Ryzen 7 Pro 8845HS
	Chipset	Intel H610E (R680E by project)	Intel H610E (R680E by project)	Intel R680E	-
Memory	Max. Capacity	DDR5 4800 MHz up to 64GB	DDR5 4800 MHz up to 64GB	DDR5 4800 MHz up to 64GB	DDR5 5600 MHz up to 128GB
	Socket	2 x 262-pin SO-DIMM	2 x 262-pin SO-DIMM	2 x 262-pin SO-DIMM	2 x 262-pin SO-DIMM
Display	VGA	-	-	-	-
	HDMI/DP	2 x HDMI ports, HDMI 2.0 for HD video playback, 4096 x 2160 @ 60Hz	2 x HDMI ports, HDMI 2.0 for HD video playback, 4096 x 2160 @ 60Hz	2 x HDMI ports, HDMI 2.0 for HD video playback, 4096 x 2160 @ 60Hz	2 x HDMI and 1 x Type-C(Alt) (3840 x 2160 @ 60Hz)
	Multiple Displays	Dual HDMI + optional 3rd display module	Dual HDMI + optional 3rd display module	Dual HDMI + optional 3rd display module	Triple
Expansion Interface	Mini PCIe	-	-	-	-
	M.2	1 x M.2 Key E 2230 and 1 x M.2 Key B 2280	1 x M.2 Key E 2230 and 1 x M.2 Key B 2280	1 x M.2 Key E 2230 and 1 x M.2 Key B 2280	2 (1 x B-Key and 1 x E-Key)
	PCIe + PCI	1 x PCIe x4, 1 x PCIe x16	2 x PCI, 1 x PCIe x16	2 x PCI, 1 x PCIe x4, 1 x PCIe x16	-
	i Door	-	-	-	-
Ethernet	Controller	GbE1: Intel i219-LM GbE GbE2: Intel i225-V GbE	GbE1: Intel i219-LM GbE GbE2: Intel i225-V GbE	GbE1: Intel i219-LM GbE GbE2/3/4: Intel i225-LM GbE	GbE1/2/3: Intel i226V LAN GbE4: Intel i210T GbE
	Connector	Line-out/Mic-in (switch)	Line-out/Mic-in (switch)	Line-out/Mic-in (switch)	Line-out/Mic-in (switch)
Watchdog Timer		Yes	Yes	Yes	Yes
Storage	SATA	2 x 2.5" SATA III 15mm height HDD bay supporting Intel SW RAID (Up to 3 x 2.5" SATA III HDD bays)	2 x 2.5" SATA III 15mm height HDD bay supporting Intel SW RAID (Up to 3 x 2.5" SATA III HDD bays)	2 x 2.5" SATA III 15mm height HDD bay supporting Intel SW RAID (Up to 3 x 2.5" SATA III HDD bays)	2 x 2.5" SATA III 9.5mm height HDD bays
	M.2	1 x M.2 Key B 2280 (PCIe x 2)	1 x M.2 Key B 2280 (PCIe x 2)	1 x M.2 Key B 2280 (PCIe x 2)	1 x M.2 Key B 2280 (PCIe x 2)
	mSATA	-	-	-	-
I/O	USB Type A	2 x USB3.2 Gen 2, 2 x USB3.2 Gen 1, 4 x USB2.0	2 x USB3.2 Gen 2, 2 x USB3.2 Gen 1, 4 x USB2.0	4 x USB3.2 Gen2, 4 x USB3.2 Gen1	8
	USB Type C	-	-	-	1 (USB4/DP ALT mode/5V-3A)
	GPIO	Optional 16-bit	Optional 16-bit	Optional 16-bit	16-bit
	COM Port	4 x RS-232/422/485; 2 up to 4 (optional) x RS-232	4 x RS-232/422/485; 2 up to 4 (optional) x RS-232	4 x RS-232/422/485; 2 up to 4 (optional) x RS-232	6 (2 x RS-232/422/485 + 4 x RS-232/485)
	Others	Optional 2 x CANBus	Optional 2 x CANBus	Optional 2 x CANBus	2
Power	Power Type	AT/ATX	AT/ATX	AT/ATX	ATX/AT
	Power Supply Voltage	9-36 V ^{DC}	9-36 V ^{DC}	9-36 V ^{DC}	9-36 V ^{DC}
	Connector	4-pin Phoenix head	4-pin Phoenix head	4-pin Phoenix head	3-pin terminal block
	Power Consumption (Idle/ Full loading)	56.1W/92.4W	56.1W/92.4W	56.1W/92.4W	TBD
	Power Adapter	230W (optional)	230W (optional)	230W (optional)	230W (optional)
Environment	Operating Temperature (air-flow 0.7 m/s)	Up to 65W processor with extended temp peripherals: -20 ~ 60°C w/ 0.7m/sec air flow	Up to 65W processor with extended temp peripherals: -20 ~ 60°C w/ 0.7m/sec air flow	Up to 65W processor with extended temp peripherals: -20 ~ 60°C w/ 0.7m/sec air flow	With extended temp peripherals: -20 ~ 50°C
	Vibration & Shock Resistance (with SSD/mSATA)	With SSD: 3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis.	With SSD: 3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis.	With SSD: 3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis.	With SSD: 3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis.
Physical Characteristics	Dimensions (W x H x D mm)	156 x 204 x 230 mm	156 x 204 x 230 mm	197.2 x 204 x 230 mm	200 x 75 x 215 mm (78.74 x 29.53 x 84.65 in)
	Weight	5.705 kg (12.57 lb)	5.705 kg (12.57 lb)	6.41 kg (14.13 lb)	3.2 kg (7.06 lb)
	Mounting	Desk mount	Desk mount	Desk mount	Desk mount
Operating System	Microsoft Windows	Windows 10/11	Windows 10/11	Windows 10/11	Windows 10, Windows 11
	Linux	Ubuntu 22.04/24.04	Ubuntu 22.04/24.04	Ubuntu 22.04/24.04	Ubuntu 24.04, others by project inquiry
Security & Manageability	DeviceOn	DeviceOn, DeviceOn/Edge	DeviceOn, DeviceOn/Edge	DeviceOn, DeviceOn/Edge	DeviceOn, DeviceOn/Edge
	Trellix, Acronis	Yes	Yes	Yes	Yes
	TPM / EdgeBMC	Yes (optional: AMO-I029A) / No EdgeBMC	Yes (optional: AMO-I029A) / No EdgeBMC	Yes (optional: AMO-I029A) / No EdgeBMC	Yes (TPM on board) / Yes (EdgeBMC)
	IEC-62443 Pre-Certified/VOC	Yes	Yes	Yes	-