



About Kontron

Kontron is a global leader in IoT/Embedded Computing Technology (ECT) and offers individual solutions in the areas of Internet of Things (IoT) and Industry 4.0 through a combined portfolio of hardware, software and services. With its standard and customized products based on highly reliable state-of-the-art technologies, Kontron provides secure and innovative applications for a wide variety of industries. As a result, customers benefit from accelerated time-to-market, lower total cost of ownership, extended product lifecycles and the best fully integrated applications.

For more information, please visit: www.kontron.com

About the Intel® Partner Alliance

From modular components to market-ready systems, Intel and the over 1,000+ global member companies of the Intel® Partner Alliance provide scalable, interoperable solutions that accelerate deployment of intelligent devices and end-to-end analytics. Close collaboration with Intel and each other enables Alliance members to innovate with the latest IoT technologies, helping developers deliver first-in-market solutions.

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Panel PC

XtremeClient



› Low-power Computing Platform

Intel® Core™ U-Series & Atom® Series low-power processors

› Rugged Design

Fanless, IP65 rating front, 6H glass front & fully flat surface without gap

› Seamless & User-friendly Design

10-point PCAP multi-touch panel & almost zero frame

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XtremeClient

Panel PC



XtremeClient-TGL



XtremeClient-WLU



XtremeClient-KLU



XtremeClient-APL

System	Processor	Intel® Core™ i7-1185G7E (4C, 12M, 1.8/4.4 GHz, 15 W) i5-1145G7E (4C, 8M, 1.5/4.1 GHz, 15 W) i3-1115G4E (2C, 6M, 2.2/3.9 GHz, 15 W) Intel® Celeron® 6305E (2C, 4M, 1.8 GHz, 15 W)
	Memory	2x DDR4 3200 SO-DIMM
Video	Graphics Controller	Intel® Iris® X ^e Graphics (Core™ i7 / i5) Intel® UHD Graphics (Core™ i3 / Celeron®)
	Display	21.5" 16:9 10-pt PCAP (1920 x 1080) 18.5" 16:9 10-pt PCAP (1366 x 768)
	DP / HDMI 2.0 / HDMI 1.4	2 (8K@60Hz*) / 0 / 0
Network Connection	Ethernet Controller	Intel® I226-LM & Intel® I210-AT
	2.5 GbE / GbE	1 / 1
Peripheral Connection	USB 3.2 Gen 2 / 3.2 Gen 1	4 / 0
	RS232/422/485	2
Storage & Expansion	2.5" SATA 3.0 HDD or SSD	1
	mPCIe	0
	M2. Key B	1 (PCIe x1 / USB 2.0 / SATA 3.0 / UIM)
	M.2 Key E	1 (PCIe x1 / USB 2.0 / CNVi)
	M.2 Key M	1 (PCIe x4)
Power	Input Voltage	DC 12 V (Configuration 1) DC 13 V ~ 32 V (Configuration 2)
Security	Security	dTPM 2.0
Cooling	Cooling Method	Passive
Software	OS Support	Windows 10, Linux
Mechanical	Construction	Metal Chassis + Aluminum Heat Sink
	Dimensions (W x H x D)	520.5 mm x 315.5 mm x 67.9 mm (21.5") 465.2 mm x 286.3 mm x 67.5 mm (18.5")
	Mounting	Panel Mount Wall Mount (VESA 75 mm x 75 mm)
Environmental	Operating Temperature	0 °C ~ 50 °C
Compliance	EMC & Safety	CE Class B, FCC Class B
	Ingress Protection	IP65 (front)

* 2x 8K for Core™ i7 / i5, 1x 8K for Core™ i3 / Celeron®

Intel® Core™ i7-8665UE (4C, 8M, 1.7/4.4 GHz, 15 W) i5-8365UE (4C, 6M, 1.6/4.1 GHz, 15 W) i3-8145UE (2C, 4M, 2.2/3.9 GHz, 15 W) Intel® Celeron® 4305UE (2C, 2M, 2.0 GHz, 15 W)	Intel® Core™ i7-7600U (2C, 4M, 2.8/3.9 GHz, 15 W) i5-7300U (2C, 3M, 2.6/3.5 GHz, 15 W) i3-7100U (2C, 3M, 2.4 GHz, 15 W) Intel® Celeron® 3965U (2C, 2M, 2.2 GHz, 15 W)	Intel® Atom® x7-E3950 (4C, 2M, 1.6/2.0 GHz, 12 W) x5-E3940 (4C, 2M, 1.6/1.8 GHz, 9.5 W) Intel® Pentium® N4200 (4C, 2M, 1.1/2.5 GHz, 6 W) Intel® Celeron® N3350 (2C, 2M, 1.1/2.4 GHz, 6 W)
2x DDR4 2400 SO-DIMM (Core™) 2x DDR4 2133 SO-DIMM (Celeron®)	2x DDR4 2133 SO-DIMM	2x DDR3L 1867 SO-DIMM
Intel® UHD Graphics 620 (Core™) Intel® UHD Graphics 610 (Celeron®)	Intel® HD Graphics 620 (Core™) Intel® HD Graphics 610 (Celeron®)	Intel® HD Graphics 505 (Atom x7 / Pentium) Intel® HD Graphics 500 (Atom x5 / Celeron)
23.8" 16:9 10-pt PCAP (1920 x 1080) 21.5" 16:9 10-pt PCAP (1920 x 1080) 18.5" 16:9 10-pt PCAP (1366 x 768) 15.6" 16:9 10-pt PCAP (1366 x 768)	23.8" 16:9 10-pt PCAP (1920 x 1080) 21.5" 16:9 10-pt PCAP (1920 x 1080) 18.5" 16:9 10-pt PCAP (1366 x 768) 15.6" 16:9 10-pt PCAP (1366 x 768)	23.8" 16:9 10-pt PCAP (1920 x 1080) 21.5" 16:9 10-pt PCAP (1920 x 1080) 18.5" 16:9 10-pt PCAP (1366 x 768) 15.6" 16:9 10-pt PCAP (1366 x 768)
2 (4K@60Hz) / 0 / 0	1 (4K@60Hz) / 1 (4K@60Hz) / 0	1 (4K@60Hz) / 0 / 1 (4K@24Hz)
Intel® I219-LM & Intel® I210-AT	Intel® I219-LM & 1x Intel® I210-AT	Intel® I210-AT
0 / 2	0 / 2	0 / 2
4 / 0	0 / 4	0 / 4
2	2	2
1	1	1
0	1 (PCIe / USB 2.0 / UIM)	1 (PCIe / USB 2.0 / UIM)
1 (PCIe x1 / USB 2.0 / USB 3.2 / UIM)	1 (USB 2.0 / SATA 3.0 / UIM)	1 (USB 2.0 / SATA 3.0 / UIM)
1 (PCIe x1 / USB 2.0 / CNVi)	0	0
1 (PCIe x4 / SATA 3.0)	0	0
DC 12 V	DC 12 V	DC 12 V
dTPM 2.0	dTPM 2.0 (Core™)	dTPM 2.0 (optional)
Passive	Passive	Passive
Windows 10, Linux	Windows 10, Linux	Windows 10, Linux
Metal Chassis + Aluminum Heat Sink	Metal Chassis + Aluminum Heat Sink	Metal Chassis + Aluminum Heat Sink
575.0 mm x 347.0 mm x 68.6 mm (23.8") 520.5 mm x 315.5 mm x 67.7 mm (21.5") 465.2 mm x 286.3 mm x 67.5 mm (18.5") 399.2 mm x 246.5 mm x 72.2 mm (15.6")	575.0 mm x 347.0 mm x 58.6 mm (23.8") 520.5 mm x 315.5 mm x 57.7 mm (21.5") 465.2 mm x 286.3 mm x 57.5 mm (18.5") 399.2 mm x 246.0 mm x 62.2 mm (15.6")	575.0 mm x 347.0 mm x 58.6 mm (23.8") 520.5 mm x 315.5 mm x 57.7 mm (21.5") 465.2 mm x 286.3 mm x 57.5 mm (18.5") 399.2 mm x 246.5 mm x 62.2 mm (15.6")
Panel Mount Wall Mount (VESA 75 mm x 75 mm)	Panel Mount Wall Mount (VESA 100 mm x 100 mm)	Panel Mount Wall Mount (VESA 100 mm x 100 mm)
0 °C ~ 50 °C	0 °C ~ 50 °C	0 °C ~ 50 °C / 32 °F ~ 122 °F
CE Class B, FCC Class B	CE Class B, FCC Class B	CE Class B, FCC Class B
IP65 (front)	IP65 (front)	IP65 (front)