

TOUCH! SUPERVISE!



Industrial
Computer
Center



ICC Digital Industrial Technologies Limited supplies industrial computers and complementary products. It offers products with proven reliability, supported by test reports and certificates, to industrial end users through system integrators in the Turkish and European markets.

Its Istanbul headquarters, Ankara, Izmir, and Bursa offices, as well as European campuses, help it achieve its goal of perpetual growth.



With its brands, IPC4 and ECO IPC4, ICC offers consistently upgraded and customizable products to customers on a sustainable stock basis.



AAEON, the industrial division of ASUS, one of the world's leading computer manufacturers, offers its experience gained since the 1990s to the Turkish market through ICC.



What is Industrial Computer?



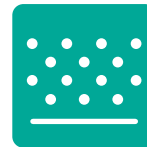
24/7 Operation



EMC Compliance



IP65 Liquid Protection



IP65 Dust Protection



Durable Display Glass



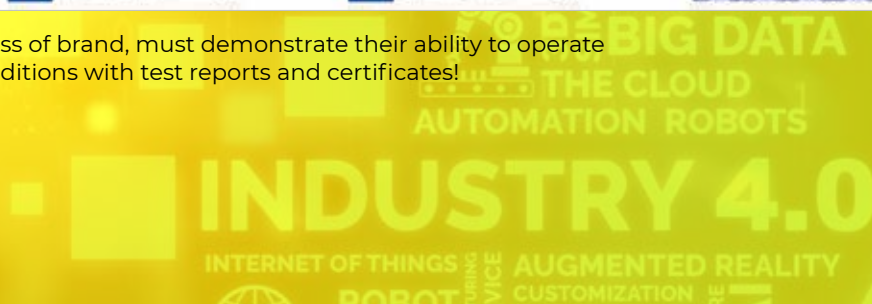
Shock and Impact Protection



Conditions of High and Low Temperature



Industrial computers, regardless of brand, must demonstrate their ability to operate under difficult production conditions with test reports and certificates!



1080p

FULLHD

Display Specifications

RESOLUTION	ASPECT RATIO	DISPLAY DIMENSIONS	
		Panel PC	Monitör
1024 x 600	16:9	7"	7"
1024 x 768	4:3	8" 10.4" 12" 15"	8" 10.4" 12" 15"
1280 x 800	16:10	10.1" 12.1"	10.1" 12.1"
1280 x 1024	4:3	17" 19"	17" 19"
1440 x 900	16:10	19.1"	19.1"
1920 x 1080 FULL HD	16:9	11.6" 15.6" 17.3" 21.5" 23,8"	11.6" 15.6" 17.3" 21.5" 23,8"

Touch Panel Specifications



FEATURES	PCAP Touch	Resistive Touch
Working Method	Capacitive Touchscreen	Physical Touchscreen
Requires Calibration	Automatic with Windows	Yes
Single Touch	Yes	Yes
Multi - Touch	Yes	No
Zoom In Zoom Out - Reducing Magnification	Yes	No
Operation with Stylus Stylus and Gloves*	Yes	Yes
Working with Non-Conductive Objects such as Pencils	No	Yes
Working in High Electromagnetic Field Environments	Requires Grounding	Not affected

*PCAP touch screens only work with PU, PVC, Nitrile, Latex gloves. Using with work gloves made of thick fabric should be tested.

Processors Specifications



İşlemci	Intel® Celeron® J4125	Intel® Celeron® J6412	Intel® Celeron® J1900	Intel® Core® i5-7 th Generation	Intel® Core® i5-8 th Generation	Intel® Core® i5-10 th Generation	Intel® Core® i7-7 th Generation	Intel® Core® i7-8 th Generation	Intel® Core® i7-10 th Generation
Operating Frequency	2.0 GHz	2.0 GHz	2.0 GHz	2.5 GHz	1.6 GHz	1.7 GHz	2.7 GHz	1.8 GHz	1.8 GHz
Turbo Frekansı	2.7 GHz	2.6GHz Up to	2.7 GHz	3.1 GHz Up to	3.4 GHz Up to	4.4 GHz Up to	3.5 GHz Up to	4.0 GHz' Up to	4.9 GHz Up to
Core number	4 Threads:4	4 Threads: 4	4 Threads:4	2 Threads: 4	4 Threads: 8	4 Threads: 8	2 Threads: 4	4 Threads: 8	4 Threads: 8
Power Consumption	10W	10W	10W	15W	15W	15W	15W	15W	15W
Time to Market	Q1 2020	Q3 2021	Q1 2020	Q4 2016	Q3 2017	Q2 2020	Q4 2016	Q3 2017	Q3 2019
CPU Benchmark Score	~3000	~ 3950	~1100	~3400	~5950	~6550	~3700	~6000	~6800

CPU Benchmark Scores are included in the table by rounding the scores determined at <https://www.cpubenchmark.net/> in May 2023. * "Threads" called as "threads" are virtual cores created from physical cores. It is a core created for use in a virtual environment using the core that is a real part of the processor.

INDUSTRIAL PANEL PC



VS



Size	Resolution	IPC4	ECOIPC4
7"	1024 x 600	👍	👎
8"	1024 x 768	👍	👎
10,1"	1280 x 800	👍	👍
10,4"	1024 x 768	👍	👍
11,6"	1920 x 1080	👍	👍
12"	1024 x 768	👍	👎
12,1"	1280 x 800	👍	👎
15"	1024 x 768	👍	👍
15,6"	1920 x 1080	👍	👍
17"	1280 x 1024	👍	👍
17,3"	1920 x 1080	👍	👍
19"	1280 x 1024	👍	👍
19,1"	1440 x 900	👍	👎
21,5"	1920 x 1080	👍	👍
23,8"	1920 x 1080	👍	👎

Options Processor	IPC4	ECOIPC4
Intel® Celeron® J4125	👍	👍
Intel® Celeron® J6412	👍	👍
Intel® Core® i5-7 th Generation	👍	👍
Intel® Core® i5-8 th Generation	👍	👎
Intel® Core® i5-10 th Generation	👍	👍
Intel® Core® i7-7 th Generation	👍	👍
Intel® Core® i7-8 th Generation	👍	👎
Intel® Core® i7-10 th Generation	👍	👍



Standart



Fully Closed VESA
VESA Mount Only

Case Type	IPC4	ECOIPC4
Standart [Panel, Vesa]	👍	👍
Fully Closed VESA	👍	👎

Other Features	IPC4	ECOIPC4
Wi-Fi & Bluetooth	👍	👍
2x Ethernet Port	👍	👍
PCAP Touch	👍	👍
Resistive Touch	👍	👎



For every ECOIPC4 purchased,
we donate one sapling!

ECOIPC4 is sold for projects over
10 units.



INDUSTRIAL BOX PC



Processor Options	EC&IPC4	IPC4	AAEON [®] an ASUS company	Expandable Slot	EC&IPC4	IPC4	AAEON [®] an ASUS company
Intel® Celeron®	👍	👍	👍	PCI	👎	👎	👍
Intel® Pentium®	👎	👎	👍	PCIe x1 - x4 - x8 - x16	👎	👎	👍
Intel® Core® i5-7 th Generation	👍	👍	👍	Ethernet Port - LAN EC&IPC4 IPC4 AAEON [®] an ASUS company			
Intel® Core® i5-8 th Generation	👎	👎	👍	x2	👍	👍	👍
Intel® Core® i5-9 th Generation	👎	👎	👍	x3 - x4 - x5 - x7	👎	👎	👍
Intel® Core® i5-10 th Generation	👍	👍	👍	PoE [Power Over Ethernet] EC&IPC4 IPC4 AAEON [®] an ASUS company			
Intel® Core® i5-11 th Generation	👎	👎	👍	PoE	👎	👎	👍
Intel® Core® i5-12 th Generation	👎	👎	👍	Box Type EC&IPC4 IPC4 AAEON [®] an ASUS company			
Intel® Core® i7-7 th Generation	👍	👍	👍	BOX	👍	👍	👍
Intel® Core® i7-8 th Generation	👎	👎	👍	RACK	👎	👎	👍
Intel® Core® i7-9 th Generation	👎	👎	👍	TOWER	👎	👎	👍
Intel® Core® i7-10 th Generation	👍	👍	👍				
Intel® Core® i7-11 th Generation	👎	👎	👍				
Intel® Core® i7-12 th Generation	👎	👎	👍				
Intel® Xeon®	👎	👎	👍				



INDUSTRIAL MAINBOARD

A&EON[®]
an ASUS company



Form Type	Size (mm)	Product Family
COM Express Mini Size	84 x 55	NANOCOM
Pico-ITX	100 x 72	PICO
COM Express Compact Size	125 x 95	COM
NANO-ITX	120 x 120	NITX
3,5" Subcompact	146 x 101,7	GENE
4" EPIC	115 x 165	EPIC
Mini-ITX	170 x 170	EMB - MIX
Micro-ATX	244 x 244	MAX
ATX	305 x 244	ATX

Rackchip

**AMD
RYZEN**

intel
CELERON

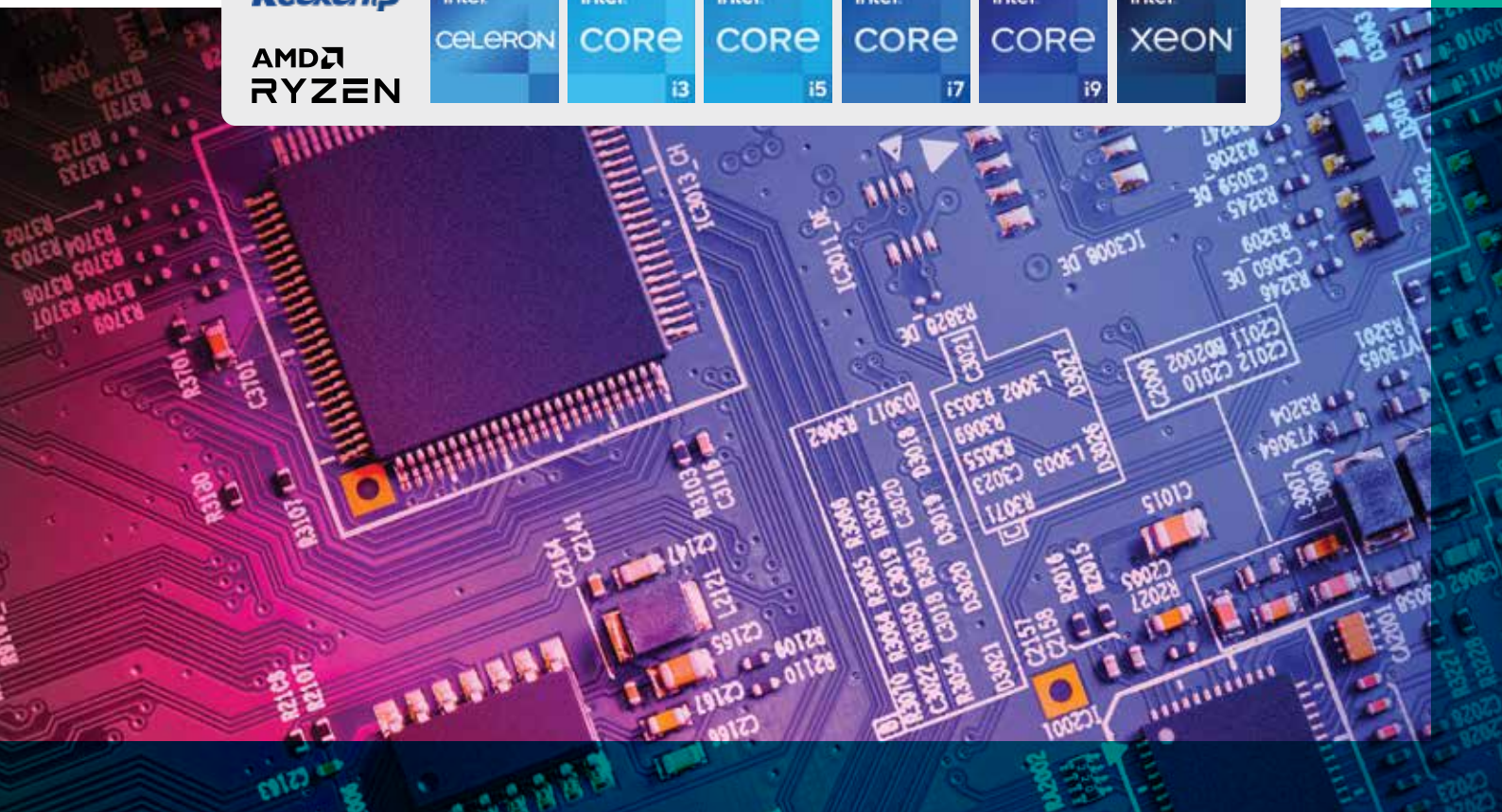
intel
CORE
i3

intel
CORE
i5

intel
CORE
i7

intel
CORE
i9

intel
XEON











ARTIFICIAL INTELLIGENCE & EDGE COMPUTING









					
BOXER-8640AI	BOXER-8641AI	BOXER-8221AI-KIT	BOXER-8222AI-KIT	BOXER-8231AI-KIT	BOXER-8251AI-KIT
AI@Edge Fanless Embedded Box PC with NVIDIA AGX Orin	Edge AI Fanless Embedded Box PC with NVIDIA AGX Orin	AI@Edge development system with NVIDIA Jetson Nano™ module	AI@Edge development system with NVIDIA Jetson Nano™ module	AI@Edge development system with NVIDIA Jetson™ TX2 NX module	AI@Edge development system with NVIDIA Jetson Xavier™ NX module

					
BOXER-8120AI	BOXER-8221AI	BOXER-8222AI	BOXER-8223AI	BOXER-8230AI	BOXER-8231AI
AI@Edge Fanless Embedded Box PC with NVIDIA Jetson TX2, 4 GbE LAN Ports	AI@Edge Compact Fanless Embedded BOX PC with NVIDIA Jetson Nano	AI@Edge Fanless Embedded Box PC with NVIDIA Jetson Nano, PD Port	AI@Edge Compact Fanless Embedded BOX PC with NVIDIA Jetson Nano	AI@Edge Compact Fanless Embedded BOX PC with NVIDIA® Jetson™ TX2 NX	AI@Edge Compact Fanless Embedded BOX PC with NVIDIA Jetson TX2 NX

					
BOXER-8233AI	BOXER-8240AI	BOXER-8250AI	BOXER-8251AI	BOXER-8253AI	BOXER-8254AI
AI@Edge Compact Fanless Embedded BOX PC with NVIDIA® Jetson™ TX2 NX	AI@Edge Fanless Embedded Box PC with NVIDIA AGX Xavier	AI@Edge Fanless Embedded Box PC with NVIDIA Jetson Xavier NX, 5 GbE LAN Ports	AI@Edge Compact Fanless Embedded BOX PC with NVIDIA Jetson Xavier NX	AI@Edge Compact Fanless Embedded BOX PC with NVIDIA Jetson Xavier NX	AI@Edge Compact Fanless Embedded BOX PC with NVIDIA Jetson Xavier NX & 8-port GbE PoE/PSE

					
UP Squared 6000	UP Xtreme i11	UP Squared Pro	BOXER-6450-TGU	BOXER-6643-TGU	UP Xtreme i11 EDGE
A high-performance industrial computing maker board with Intel® Atom® x6000E/RE, Pentium® or Celeron® N/J series	Powered by the 11th Gen Intel® Core™ processors with Iris® Xe graphics	Powered by Intel® processors, the UP Squared Pro brings a range of features to leverage new technologies and accelerate Edge deployment.	Fanless Compact Embedded Computer with 11 Generation Intel® Core™ i7/i5/i3/Celeron Processor	Fanless Embedded Box PC 11th Generation Intel® Core™	UPX-EDGE i11 system is powered by 11th Generation Intel® Core™ i7/i5/i3/Celeron®

					
UPX-Edge	ZEUS-PUR0	ARES-WH10	AI CORE XP4/XP8	AI CORE XM 2280	AI CORE X
UP Xtreme Edge Computing System	4U Rackmount Purley Platform Server System, Support Xeon®	Intel® whitely Platform Server Board, Support Xeon® Single Ice Lake-SP	AI Edge Computing Module with Intel® Movidius™ Myriad™ X VPU	AI Edge Computing Module with Intel® Movidius™ Myriad™ X VPU	AI Edge Computing Module with Intel® Movidius™ Myriad™ X VPU

INDUSTRIAL LAPTOP



			
Model	IPC4-RL-X33	IPC4-RL-X14	IPC4-RL-X15
Processor	Intel® Core® i5 11 th Generation Intel® Core® i7 11 th Generation	Intel® Core® i5 11 th Generation Intel® Core® i7 11 th Generation	Intel® Core® i5 11 th Generation Intel® Core® i7 11 th Generation
Screen Size	13,3"	14"	15,6"





ANDROID INDUSTRIAL TABLET

Model	IPC4-RT-AQ11	IPC4-RT-AQ115M	IPC4-RT-AQ16	IPC4-RT-AQ225M	IPC4-RT-AQ22M
Processor	ARM Octa Core	ARM Octa Core	ARM Octa Core	ARM Octa Core	ARM Octa Core
Screen Size	10,1"	10,1"	10,1"	12,2"	12,2"
2D Barcode Scanner	Optional	Optional	Optional	Optional	Optional

Model	IPC4-RT-AQ81	IPC4-RT-AQ86	IPC4-RT-AQ865M	IPC4-RT-AT195	IPC4-RT-AT895
Processor	ARM Octa Core	ARM Octa Core	ARM Octa Core	ARM Octa Core	ARM Octa Core
Screen Size	8"	8"	8"	10,1"	8"
2D Barcode Scanner	Optional	Optional	Optional	Optional	Optional



INDUSTRIAL TABLET PC



Model	RTC-710AP	RTC-710RK	RTC-1010	RTC-1010M	RTC-1020	RTC-1200
Screen Size	7"	7"	10,1"	10,1"	10,1"	11,6"
Processor	Intel® Celeron® Intel® Pentium®	RockChip® RK3399	Intel® Celeron® Intel® Pentium®	Intel® Celeron® Intel® Pentium®	Intel® Celeron® Intel® Core® i3 11 th Generation Intel® Core® i5 11 th Generation	Intel® Celeron® Intel® Core® i3 7 th Generation Intel® Core® i5 7 th Generation
2D Barcode Scanner	Optional	Optional	Optional	Optional	Optional	Optional



WINDOWS 10 INDUSTRIAL TABLET

Model	IPC4-RT-186H	IPC4-RT-187J	IPC4-RT-116H	IPC4-RT-116J	IPC4-RT-117J
Processor	Intel® Atom®	Intel® Celeron®	Intel® Atom®	Intel® Celeron®	Intel® Celeron®
Screen Size	8"	8"	10,1"	10,1"	10,1"
4G	Internal	Internal	Internal	Internal	Internal
2D Barcode Scanner	Optional	Optional	Optional	Optional	Optional

Model	IPC4-RT-110J	IPC4-RT-110A	IPC4-RT-120J	IPC4-RT-122J	IPC4-RT-120A
Processor	Intel® Celeron®	Intel® Core® i5 12 th Generation Intel® Core® i7 12 th Generation	Intel® Celeron®	Intel® Celeron®	Intel® Core® i5 12 th Generation Intel® Core® i7 12 th Generation
Screen Size	10,1"	10,1"	12,2"	12,2"	12,2"
4G	Internal	Internal	Internal	Internal	Internal
2D Barcode Scanner	Optional	Optional	Optional	Optional	Optional





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