

Product Overview

Product Overview			CPU										Memory					SSD		Interfaces															Operating Temp.*				* optional or Please check Datasheet and Manual								
Vendor	Formfaktor	Produkt	CPU Vendor	Platform	Generation	CPU	Soldered CPU	Chipset	DDR3L	DDR4	DDR5	soldered onboard	SO-DIMM	DIMM-Socket	max. Size	soldered onboard	Standard SSD	Graphic	LVDS	eDP	V-by-One	USB-C	USB 2.0	USB 3.2 Gen1 (USB 3.0)	USB 3.2 Gen2 (USB 3.1)	USB 3.2 Gen2x2	USB 4.0	GbE Ethernet	2.5 GbE Ethernet	RS232/422/485	RS232	UART	SATA	SATA Power	I2C or SMBus	GPIO	miniPCIe/mSATA	M.2	Audio	HDA w. Amplifier	TPM	DC-in	0°...+60°C	-20°...+70°C	-25°...+80°C	-40°...+85°C	Others

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- Fortec Box PC
- Box PC
- Edge AI Systems

For configured Box PC with SSD, Memory or CPU please ask PM!

Box PC			Fortec Embedded BoxPC Pro Series																												Edge AI Systems / Box PCs												
FORTEC	Box PC Fortec	BoxPC Pro NPA-2009 ^{HOT}	Intel	Tiger Lake -U	11th	Core i5-1145G7E (Core i3-1115G4E*, Celeron 6305E*)	x	SoC	8GB	x								128GB	DP, DP (USB-C)	x*	x*	x	4-6x		3x	2x		*	1x	1x							3x	x	x	24V	0°...+45°C	V-by-One and eDP* via Docking Board Option: Windows 10 IoT	
FORTEC	Box PC Fortec	BoxPC Pro NPA-1904	Intel	KabyLake-U	7th	Core i5-7300U, i3-7100U	x	SoC	8GB	x								60GB	DP	x*			4x	4x		2x		2x*	2x							1x	x	x	24V	0°...+45°C	Option: Windows 10 IoT, 2x RS485		
FORTEC	Box PC Fortec	BoxPC PRO 7300	Intel	KabyLake-U	7th	Core i5-7300U	x	SoC	8GB	x								60GB	DP, HDMI	x*			2x	4x		2x		2x	2x						1x	x	x	9-24V	0°...+40°C	OS: Windows 10 IoT Enterprise 2019 LTSC			
ADVANTECH	Edge AI Systems / Box PC	AIR-150	Intel	Raptor Lake-P	13th	Core i5-1345UE, Core i3-1315UE	x	SoC		x	x						64GB		2x HDMI				1x	3x			1x	1x	2x							3x*	x	x	12-24V	-20°...+60°C	26 TOP AI (Hailo AI), 1x RS485, 2x CAN-Bus		
ADVANTECH	Edge AI Systems / Box PC	AIR-030	ARM	NVIDIA		Jetson Orin AGX 32GB, Jetson Orin AGX 64GB	x	SoC		x	x					64GB	x	64GB		1x HDMI			x*	2x*	5x			3x	4x							2x	x	x	9-36V	-10°...+60°C (+55°)	2x CAN-Bus, PCIe x8, 2x MIPI CSI, SD slot		
ASUS	Edge AI Systems / Box PC	MDS-M700	Intel	Raptor Lake-S Alder Lake-S	13th 12th	Socket Type LGA1700 CPU													4x DP, opt. NVIDIA RTX A5000/A4000/A2000/T1000				1x* (see USB-3.2 Gen2)	2x	4x		1x	2x	1x	9x					2x	x	tbd.	Medical PSU 500W					Compliant with IEC 60601-1-1/-2 standard 1x PCIe x16, 1x PCIe x4, 1x PCIe x8, 1x PCIe x4
ASUS	Edge AI Systems / Box PC	Medical PC	Intel	Raptor Lake-S Alder Lake-S	13th 12th	Socket Type LGA1700 CPU													2x HDMI, 2x DP				1x* (see USB-3.2 Gen2x2)	2x	2x	4x	1x	1x	1x	2x	4x*		4x			8-bit*	1x	3x	x	tbd.	8-48V	upt to -20°...+60°C (check DS)	MIL-STD-810H, 1x PCIe x16, 3x PCIe x4, 2x PCIe x1 or PCIe x4, 2x PCIe x1
ASUS	Edge AI Systems / Box PC	PE8000G	ARM	NVIDIA		Jetson Orin Nano 4G/8G, Jetson Orin NX 8GB/16GB		SoC		x							16GB		2x HDMI				3x*	3x			2x	2x									8-bit	3x	x	x	12-24V	-20°...+60°C	1x CAN-Bus, Micro SD Slot
ASUS	Edge AI Systems / Box PC	PE1100N	Intel	Alder Lake-P Alder Lake-H	12th	Core i7-12800HE, Core i5-12600HE, Core i3-12300HE	x	SoC		x							64GB		2x HDMI, 2x DP, opt. 4x DP based on MXM GPU Spec.				1x	3x			1x	3x	2x	2x*		2x				1x	3x	x	x	8-48V	-20°...+60°C	POE+*, CAN-Bus*, MXM PCIe x8 slot	
ASUS	Edge AI Systems / Box PC	PE6000G	Intel	Raptor Lake-S Alder Lake-S	13th 12th	Socket Type LGA1700 CPU													2x HDMI, 2x DP				2x	2x	4x	1x	1x	1x	2x	4x*		4x				8-bit*	1x	3x	x	*	8-48V	upt to -20°...+60°C (check DS)	Support PCIe Gen5 and NVIDIA GPU card up to 450W
ASUS	Edge AI Systems / Box PC	PE4000G	Intel	Raptor Lake-S Alder Lake-S	13th 12th	Socket Type LGA1700 CPU													2x HDMI, 2x DP				2x	2x	4x	1x	1x	1x	2x	4x*		2x				8-bit*	1x	3x	x	*	8-48V	upt to -20°...+60°C (check DS)	1x PCIe x16 or 2x PCIe x4 or 2x PCIe x8, 2x PCIe x4, Support NVIDIA® GPU card up to 200W

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Embedded Box PC																																																														
High Performance																																																														
ASUS IoT	Box PC	EBS-S500W	Intel	Meteor Lake U/H	14th	Core™ Ultra 7-165U, Ultra 5-135U	x	SoC				x	x		64GB			HDMI, DP				1x	2x	4x			1x	1x	4x		1x	1x							3x	x		x*	9-36V	-20 °C...+60 °C																		
ASUS IoT	Box PC	PE2200U	Intel	Meteor Lake U/H	14th	Core™ Ultra 7-165U, Ultra 5-135U	x	SoC				x	x		64GB			HDMI, DP				1x	2x	4x			1x	1x	4x		1x	1x							3x	x		x*	9-36V	-0 °C...+60 °C, -40 °...+60 °C			Rich expansion capacity including PoE, CAN-bus and COM ports modules															
iBASE	Box PC	AMI-240	Intel	Raptor Lake Refresh / Raptor Lake	14th 13th	Socket Type LGA1700 CPU		Q670E				x	x		64GB			2x HDMI, 2x DP						6x			PO	2x	2x	2x		1x	x					3x	x			24V	-20 °C...+70 °C																			
NECOM	Box PC	Neu-X304	Intel	Raptor Lake-S Alder Lake-S	13th 12th	Socket Type LGA1700 CPU		Q670E, H610E				x	x		64GB			3x HDMI,	x*	x*				4-5x		3-4x		1x	1x	2x*	2x*							8-bit*	3x			x	12V or 12-24V	-5 °C...+45 °C																		
ASUS IoT	Box PC	PE5101D	Intel	Raptor Lake-S Alder Lake-S	13th 12th	Socket Type LGA1700 CPU		R680E				x	x		64GB			HDMI, DP					2x	2x	6x			3x	2x	4x		2x	x					8-bit*	1x	3x	x		x	8-48V	-25 °C...+60 °C			1x PCIe x4, 1x PCIe x16														
ASUS IoT	Box PC	PE5100D	Intel	Raptor Lake-S Alder Lake-S	13th 12th	Socket Type LGA1700 CPU		R680E				x	x		64GB			HDMI, DP					2x	2x	6x			3x	2x	4x		2x	x					8-bit*	1x	3x	x		x	8-48V	-25 °C...+70 °C																	
ASUS IoT	Box PC	PE2100U	Intel	Raptor Lake-P	13th	Core i7-1365UE, i5-1345UE, i3-1315UE		SoC				x	x		64GB			2x HDMI, 1x DP						2x		4x		1x	1x	2x	2x		1x	1x					8-bit	1x	2x	x		x*	9-36V	-20 °C...+60 °C			2 x 802.11af PSE ports, RJ45 or 2 x 10/100/1000 (optional)													
ASUS IoT	Box PC	PN64-E1	Intel	Raptor Lake-P	13th	Core i7-13800H, i5-13600H, i7-13700H, i5-13500H		SoC				x	x		64GB			2x HDMI						2x	1x				1x				1x	x													0 °C...+50 °C			1x Thunderbolt 4												
NECOM	Box PC	Neu-X303	Intel	Alder Lake-PS	12th	Socket Type LGA1700 CPU		SoC				x	x		64GB			1xDP, 2xDP, 1x HDMI							4x			2x																			0 °C...+50 °C															
NECOM	Box PC	Neu-X303mini	Intel	Alder Lake-PS	12th	Socket Type LGA1700 CPU		SoC				x	x		64GB			1xDP, 2xDP, 1x HDMI							4x			2x																			0 °C...+60 °C															
NECOM	Box PC	NDIS B561 ^{HOT} NDIS B561-POE	Intel	Alder Lake-S	12th	Socket Type LGA1700 CPU		Q670				x	x		64GB			3x HDMI,							8x		1x	2x	1x	3x									8-bit*	3x	x		x	12-24V	-20 °C...+60 °C																	
NECOM	Box PC	NDIS B561S	Intel	Alder Lake-S	12th	Socket Type LGA1700 CPU		H610E										2x HDMI					4x		2x		1x	1x	1x	3x																0 °C...+50 °C																
NECOM	Box PC	NDIS V1100	Intel	Tiger Lake-U	11th	Intel i7-1185G7E, i5-1145G7E, i3-1115G4E	x	SoC				x		x	64GB			4x HDMI						1-5x*	3x			2x		1x	1x																	8-bit		x	x*											
NECOM	Box PC	NDIS B360	Intel	Tiger Lake-U	11th	Core i3-1115G4E, i5-1145G7E, i7-1185G7E	x	SoC				x		x	32GB			DP, HDMI						4x	4x			2x		1x	1x																			12V	-20 °C...+60 °C											
Low Powerconsumption																																																														
ASUS IoT	Box PC	TINKER 3N SYSTEM	Rockchip	RK3568		RK3568 Quad Core ARM® Cortex®-A55	x	SoC				x			2/4/8 GB	x	32/64GB	HDMI				x	2x*	2x				2x		1x	2x																				0 °...+35 °C -40 °...+60 °C			1x CAN Bus 2.0, Wi-Fi/BT*, PoE*								
NECOM	Box PC	Neu-X60 ^{HOT}	Intel	Alder Lake-N		N50	x	SoC				4GB			16GB			HDMI							2x			1x	1x																					0 °...+40 °C*												
NECOM	Box PC	Neu-X102	Intel	Alder Lake-N		N50, N97, Core i3-N305	x	SoC				x			16GB			2x HDMI							4x			2x		1x																					-5 °C...+50 °C											
ASUS IoT	Box PC	PE2000S	Intel	Alder Lake-N		N97, N200, Core i3-N305, Atom x7425E	x	SoC				x			16GB			HDMI, DP						2x	4x			2x		2x	4x	1x																			0 °...+50 °C*			2 x 802.11af PSE ports or 2x GbE Port (optional)*								
ASUS IoT	Box PC	EBS-S100	Intel	Alder Lake-N		N97, N200, Core i3-N305, Atom x7425E	x	SoC				x			16GB			HDMI, DP						2x	4x			2x		2x	4x	1x								*	x	2x	x		x*	9-36V	0 °...+40 °C*															
NECOM	Box PC	NDIS B338-LITE	Intel	Elkhart Lake		Celeron J6412	x	SoC				x			32GB			2x HDMI								1x		1x		2x																					-20 °C...+60 °C											
NECOM	Box PC	NDIS B338	Intel	Elkhart Lake		Celeron J6412	x	SoC				x			32GB			3x HDMI									1x	1x	1x	1x	3x																				-20 °C...+60 °C											
ASUS IoT	Box PC	PE1000S	Intel	Elkhart Lake		Atom x6425E, x6413E, Celeron J6412	x	SoC				x			32GB			HDMI, DP						2x	2x	2x			4x*	1x	2x*	1x																						8-bit	3x		x*	9-36V	-20 °C...+70 °C (60 °C) 0 °C...+60 °C			PoE optional, 3 x 3-wire RS-232 or 1 x RS-422/485
ASUS IoT	Box PC	EBS-S300W	Intel	Elkhart Lake		Atom x6425E, x6413E, x6211E	x	SoC				x			32GB			HDMI, DP						2x	4x			2x		2x	4x	1x																							0 °C...+60 °C (-40 °C...+60 °C)							
ASUS IoT	Box PC	EBS-P300W	Intel	Elkhart Lake		Atom x6211E, x6413E, x6425E, x6425RE	x	SoC				x			8GB	x	64GB 128GB	2x HDMI						2x	2x			1x	1x	2x																							-40 °C...+60 °C									
NECOM	Box PC	Neu-X100	Intel	Apollo Lake		Celeron J3455, N3350, Pentium N4200		SoC							8GB			2x HDMI										2x		1x																								-5 °C...+50 °C								
NECOM	Box PC	Neu-X101	Intel	Apollo Lake		Celeron J3455		SoC							8GB			2x HDMI										2x	2x																											-5 °C...+50 °C						