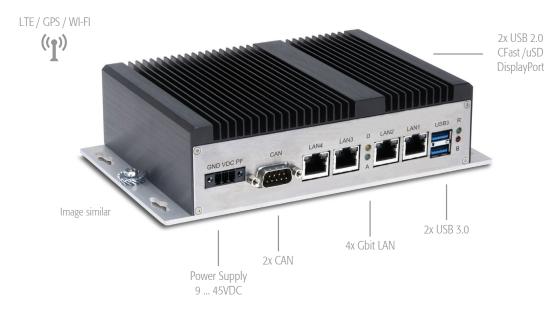
preliminary



AI Embedded Box PCs

COMPACT-S AI Series

Intelligent Machine Learning Unit with NVIDIA Jetson TX2(i)



IPC/COMPACTA2 - S

This fanless S COMPACT-A2 generation is based on the NVIDIA Jetson TX2(i) processor module and offers a wide range of interface options.

The robust and uncompromising industrial design allows the implementation in the most demanding AI applications and guarantees long term availability.

- 24/7 continuous operation
- Extended AI Computing
- No moving parts
- Product lifecycle management
- · Long term availability with fixed BOM

NVIDIA. Linux for Tegra (L4T)

Product Highlights

Maintenance free No moving parts / passive cooling ARM CPU core Hardware watchdog Temperature supervision ESD- protection on all interfaces Long term availability (fixed BOM) Shock and vibration resistant

Product Features

NVIDIA Pascal™ architecture GPU Dual-core Denver 2 64-bit CPU Quad-core ARM A57 Complex 8GB 128-bit LPDDR4 RAM soldered on board Socket for CFast Graphic resolution Ethernet, USB, Passive-CAN Optional WiFi extensions Aluminum & Stainless steel housing Protection class IP40

Markets / Applications

Industrial Automation Automated Guided Vehicle (AGV) Traffic control Transportation and vehicle construction Cleantech

CE

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Your partner for reliable embedded computer and display solutions.



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vironmental Conditionsperating temperature 3-25°C +orage temperature-25°C +tended operating temperature -40°C +70°Cwith TXtended storage temperature -40°C +85°Cwith TXotection standard: IP40•onformal coating 4tbdtock: EN60068-2-27 / EN61373•bration: EN60068-2-64 / EN61373•Al-Conformity EN-50121-3-2•fety according to EN62368-1•dio and Telecommunication: Designed to meet RED•TBF ~ 150 000h (17.1 Years) @ 25°C excluding batterytbd	urrent consumption typ. in mA @ 24V without Add-Ins, idle				~400
perating temperature 3-25°C +orage temperature-25°C +tended operating temperature -40°C +70°Cwith TXtended storage temperature -40°C +85°Cwith TXotection standard: IP40•onformal coating 4tbdiock: EN60068-2-27 / EN61373•bration: EN60068-2-64 / EN61373•Al-Conformity EN-50121-3-2•fety according to EN62368-1•dio and Telecommunication: Designed to meet RED•TBF ~ 150 000h (17.1 Years) @ 25°C excluding batterytbd	ower consumption typ. in Watt @ 24V without Add-Ins, idle				~10
Torage temperature-25°C +tended operating temperature -40°C +70°Cwith TXtended storage temperature -40°C +85°Cwith TXotection standard: IP40•onformal coating 4tbdtock: EN60068-2-27 / EN61373•bration: EN60068-2-64 / EN61373•All-Conformity EN-50121-3-2•fety according to EN62368-1•dio and Telecommunication: Designed to meet RED•TBF ~ 150 000h (17.1 Years) @ 25°C excluding batterytbd	nvironmental Conditions				
tended operating temperature -40°C +70°C with TX: tended storage temperature -40°C +85°C with TX: otection standard: IP40 • • onformal coating ⁴ tbd iock: EN60068-2-27 / EN61373 • • bration: EN60068-2-64 / EN61373 • • AI-Conformity EN-50121-3-2 • • fety according to EN62368-1 • • dio and Telecommunication: Designed to meet RED • TBF ~ 150 000h (17.1 Years) @ 25°C excluding battery bbd	Operating temperature ³				-25°C +65°
tended operating temperature -40°C +70°C with TX: tended storage temperature -40°C +85°C with TX: otection standard: IP40 • • onformal coating ⁴ tbd iock: EN60068-2-27 / EN61373 • • bration: EN60068-2-64 / EN61373 • • AI-Conformity EN-50121-3-2 • • fety according to EN62368-1 • • dio and Telecommunication: Designed to meet RED • TBF ~ 150 000h (17.1 Years) @ 25°C excluding battery bbd	orage temperature				–25°C +80°
tended storage temperature -40°C +85°Cwith TX:otection standard: IP40•onformal coating ⁴ tbdlock: EN60068-2-27 / EN61373•bration: EN60068-2-64 / EN61373•MI-Conformity EN-50121-3-2•fety according to EN62368-1•dio and Telecommunication: Designed to meet RED•TBF ~ 150 000h (17.1 Years) @ 25°C excluding batterytbd	ktended operating temperature –40°C +70°C				with TX2i
otection standard: IP40•onformal coating4tbdlock: EN60068-2-27 / EN61373•bration: EN60068-2-64 / EN61373•MI-Conformity EN-50121-3-2•fety according to EN62368-1•dio and Telecommunication: Designed to meet RED•TBF ~ 150 000h (17.1 Years) @ 25°C excluding batterytbd	ktended storage temperature –40°C +85°C				with TX2i
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bration: EN60068-2-64 / EN61373 • • MI-Conformity EN-50121-3-2 • • • • • • • • • • • • • • • • • • •					
II-Conformity EN-50121-3-2 • fety according to EN62368-1 • idio and Telecommunication: Designed to meet RED • TBF ~ 150 000h (17.1 Years) @ 25°C excluding battery tbd					
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TBF ~ 150 000h (17.1 Years) @ 25°C excluding battery tbd					•
	TBF ~150 000h (17.1 Years) @ 25°C excluding battery				
ase contact factory for minimum order quantities	ease contact factory for minimum order quantities				

² Internal connector

³ Depending on installation situation and interface connection. Please see user documentation

⁴ On all possible components (excl. TX2(i) Module, connectors and wireless devices)

Product specifications subject to change without notice. | All data is for information purposes only and not guaranteed for legal purposes. Information in this data sheet has been carefully checked and is believed to be accurate. However, no responsibility is assumed for inaccuracies. Please refer to the user documentation for additional product specification.

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