

#### Al Vehicle Computer

## **COMPACT AI Vehicle Series**

Intelligent Machine Learning Unit with NVIDIA Jetson TX2



# **IPC/COMPACT A2 - RS**

This fanless RS 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 / passive cooling
- · Product lifecycle management
- · Long term availability with fixed BOM



## **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**

256-core NVIDIA Pascal™ GPU Dual-Core NVIDIA Denver 2 64-Bit CPU Quad-Core ARM® Cortex®-A57 MPCore 8GB 128-bit LPDDR4 RAM soldered on board Socket for CFast Ethernet, USB, Passive or Active CAN Optional 4G LTE connectivity Aluminum & Stainless steel housing Protection class IP40

#### Markets / Applications

Automated Guided Vehicles (AGV) Transportation Cleantech

CE

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Order Code	IPC/RSA2I20-A103S1	IPC/RSA2I20-B103
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	•	•
	optional	optional
	on request	on request
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	1.3 TOPs	1.3 TOPs
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		8GB
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(DSUB9)	optional	optional
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55 - M2M only! (3x SMA)	optional	•
	•	•
(2x RP-SMA)	•	•
	•	•
	~950	~950
(M12 4P male a-coded)	9 45VDC	9 45VDC
	~400	~400
	~10	~10
	−25°C +70°C	−25°C +70°C
	−25°C +80°C	−25°C +80°
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	with TX2i	with TX2i
	IP40	IP40
	on request	on request
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	EN60068-2-27	EN60068-2-27
	EN60068-2-64	EN60068-2-64
	EN55032 / EN55035	EN55032 / EN550
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	EN62368-1	EN62368-1
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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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## **Assured Systems**

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