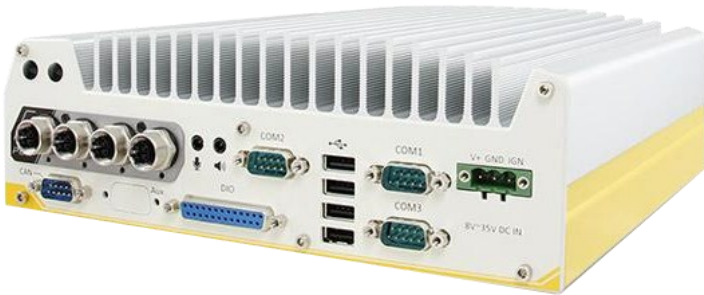


beltronic-5100V Railway/Vehicle-PC



- *Intel 6th-Gen Core i7/i5/i3*
- *CAN bus design for in-vehicle communication*
- *Gigabit PoE+, M12 X-coded*
- *Operating Temperature -40°C to +70°C*
- *fan-less design*
- *EN 50155 certificate*

beltronic-5100V Railway/Vehicle PC is a state-of-the-art in-vehicle controller in compliant with EN 50155 certificate. Featuring Intel® 6th-Gen Core™ CPU, it exhibits superb CPU and GPU performance for various in-vehicle applications.

The 5100V offers four 802.3at PoE+ ports to supply 25W power to the connected device. They are implemented using M12, x-coded connectors, which guarantee extremely rugged connectivities in shocking/vibrating environments. Two more Gigabit Ethernet ports by RJ-45 are available for data communication. You can also utilize four internal mini-PCIe sockets with corresponding modules for 3G/4G/WIFI communication.

In addition the 5100V integrates CAN bus for in-vehicle communication, and isolated DIO for sensor/actuator control. Combing ignition power control and dual-drive RAID storage the 5100V is simply the one to satisfy all your application demands.



beltronic-5100V

Railway/Vehicle-PC

beltronic
Industrial PC®

Technical data

Dimensions: 240 x 225 x 79mm

Weight: 3.3kg

Hardware configuration

CPU type: Intel Core i3, i5, i7 **6th generation**

RAM: Up to 32GB SDRAM DDR4-2133

Hard disk
1x hot-swappable HDD/SSD tray for 2.5"
1x internal SATA port for 2.5" HDD/SSD, supports RAID 0/1
1x full-size mSATA port

Extension slots
1x full-size mini-PCIe with panel-accessible SIM socket,
1x full-size mini-PCIe with internal SIM socket,
2x full-size mini-PCIe (USB signals only) with internal SIM socket

I/O Ports available
2x Gigabit Ethernet, 1x CAN 2.0, 4x USB 3.0, 4x USB 2.0,
1x stacked VGA + DVI-D, 2x DisplayPort, 2x software-programmable RS-232/422/485 port, 1x RS232 port,
1x Mic-in and 1x Speaker-out

Power IN

Power IN: 8~35 VDC

OPTIONS & ACCESSORIES

M12, x-code to RJ-45 Ethernet cable, 5m
M12, x-code to RJ-45 Ethernet cable, 10m
Option of DIN-Rail mounting kit
120W AC/DC power adapter

Operating system

OS: MICROSOFT Windows® 10

ENVIRONMENT

Compliant according to :

Temperature

Operating: -40°C to +70°C

Storage: -40°C to +85°C

Humidity

Relative humidity : 10% - 90%, non-condensing

Vibrations

Operating: 5 Grms, 5-500Hz, 3 axes (w/ SSD, acc. to IEC60068-2-64)

Shock

Operating: 50 Grms, half-sine; 11ms duration (w/ SSD, acc. to IEC60068-2-27)

EMC

CE/FCC Class A, acc. to EN 55022 / 55024

Certification

EN50155 TX Class



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