

NUVO-5100VTC -SERIES IN-VEHICLE COMPUTERS

N5100VTC-I7TE

Nuvo-5100VTC Core i7-6700TE



- Intel® 6th Gen. Core™ processor
- CAN bus for communicating with in-vehicle CAN bus system
- 4x GigE PoE+ ports with M12 connectors
- 8-35 VDC input, remote on/off control

PRODUCT DESCRIPTION

Nuvo-5100VTC is a state-of-the-art in-vehicle fanless embedded controller in compliance with EN50155 certificate. Featuring Intel® 6th-Gen Core™ CPU, it exhibits superb CPU and GPU performance for various in-vehicle applications.

Nuvo-5100VTC 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, Nuvo-5100VTC integrates CAN bus for communicating with in-vehicle CAN bus system, individual ECUs or other automotive devices. There is also an isolated DIO for sensor/ actuator control, ignition power control and dual-drive RAID storage which makes Nuvo-5100VTC simply the controller that can satisfy all your in-vehicle application needs.

Features:

- Supports Intel® 6th-Gen Core™ i7/i5/i3 LGA1151 CPU
- 4x 802.3at Gigabit PoE+ ports via M12 connectors
- On-board CAN bus for in-vehicle communication
- 4-CH isolated DI and 4-CH isolated DO
- 2x SATA ports for two 2.5" SATA HDD/SSD, with one hot-swappable HDD tray, supporting RAID 0/1
- 4x full-size mini-PCIe sockets with SIM support
- 8~35V wide-range DC input with built-in ignition control
- EN50155 certificate

SPECIFICATIONS

12834_Computertype	Vehicle
AMT	AMT 11.0
CAN	1x CAN 2.0 port
Chipset	Intel® Q170 Platform Controller Hub
Depth	225 mm
Height	79 mm
Memory RAM	32 GB
Processor	Intel® Core™ i7-6700TE(8M Cache, 2.4/3.4 GHz, 35W TDP)
Supply Voltage DC Max	35 V DC
Supply Voltage DC Min	8 V DC

Temperature range bearing, from	-40 °C
Temperature range bearing, to	85 °C
Temperature range from	-25 °C
Temperature range to	70 °C
TPM	TPM 2.0
Weight	3.3 kg
Vibration Resistance	5 Grms (IEC60068-2-64)
Width	240 mm