NUVO-7100VTC-SERIES IN-VEHICLE COMPUTERS

N7100VTC-I7
Nuvo-7100VTC Core i7-8700, 4x M12 PoE+

- Intel® 8th Gen. Core™ processor
- Supports CAN 2.0A & CAN 2.0B
- 6x GigE (4xPoE)
- 4x USB 3.1Gen2 + 4x USB 3.0 Gen1
- Wide temperature range -25... +70°C

PRODUCT DESCRIPTION

Nuvo-7100VTC is the latest rugged in-vehicle controller featuring purpose-built set and effortless connectivity, powered by Intel® 8th-Gen Core™ processors with up to 6-core/ 12-thread architecture and 64GB DDR4 memory that gets a significant performance increase over previous generations for versatile in-vehicle applications.

Nuvo-7100VTC provides flexibility to support a range of peripherals and connections. It offers four or eight 802.3at PoE+ ports to supply 25W power to connected devices such as IP cameras with M12 (x-coded connectors) and connector screw-lock mechanisms on computer I/Os like Gigabit Ethernet, USB3.0 and USB3.1 to guarantee extreme rugged connectivity in shock/ vibration environments. Wireless connectivity are essential for modern day in-vehicle applications and you can simultaneously utilize two M.2 and three mini-PCIe sockets with corresponding wireless modules for 3G/ 4G, WIFI, GPS, and CAN module for communication. Additionally, there is a 4G cellular module option that is certified to work with renowned US telecommunications company which can save you implementation time and cost.

On top of all that, Nuvo-7100VTC also features isolated CAN bus for in-vehicle communication, isolated DIO for sensor/ actuator control, 8~35V wide-range DC input with ignition power control and is in compliance with E-Mark and EN 50155. The Nuvo-7100VTC is the perfect solution with extraordinary reliability for various in-vehicle application needs.
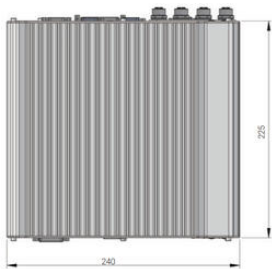
Features:

- Supports Intel® 8th-Gen Core™ i7/i5/i3 LGA1151 socket-type CPU
- 4x or 8x 802.3at Gigabit PoE+ ports via M12 or RJ45 connectors
- On-board isolated CAN bus for in-vehicle communication
- 4-CH isolated DI and 4-CH isolated DO
- 2x SATA ports with one hot-swappable HDD tray, supporting RAID 0/1
- 2x M.2 B key and 3x full-size mini-PCIe sockets
- 8~35V wide-range DC input with built-in ignition power control
- E-Mark and EN 50155 certificate

SPECIFICATIONS

AMT	AMT 12.0
CAN	1x CAN bus (CAN 2.0A & CAN 2.0B)
Chipset	Intel Q370 Platform Controller Hub
DC Input	1x 3-pin plug 8-35 V DC
Depth	225 mm

Height	84 mm
Memory RAM	64 GB
Processor	Intel® Core™ i7-8700T (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	-40 °C
Temperature range to	70 °C
TPM	TPM 2.0
Weight	3,3 kg
Width	240 mm

Unit : mm