POC-351VTC ULTRA-COMPACT IN-VEHICLE COMPUTER

POC-351VTC
Intel Atom E3950, GigE, PoE+, CAN

neousys TECHNOLOGY

- New generation Intel Apollo Lake architecture
- In-vehicle applications, isolated CAN featured
- 3x GigE-ports, PoE+ on ports #2 and #3
- Wide temperature range -25...+70 °C

PRODUCT DESCRIPTION

POC-351VTC is an ultra-compact, fanless embedded in-vehicle controller powered by Intel® Atom™ Apollo Lake E3950 quad-core processor. It combines finesse performance, extraordinary reliability and affordable cost for versatile in-vehicle applications.

POC-351VTC offers two PoE+ ports to power devices such as IP cameras, and one additional GbE port for data communication. It also features isolated CAN 2.0 port and RS-232/ 422/ 485 ports for communicating with vehicle CAN bus system, individual ECUs or other automotive devices. Wide-range DC input and ignition power control make POC-351VTC fit for most vehicle categories.

Wireless and internet access is essential for modern day in-vehicle applications. POC-351VTC has a total of four M.2/ mPCIe sockets and six antenna holes to accommodate a variety of 4G, 3G, WIFI and GPS modules to satisfy in-vehicle and V2V(vehicle to vehicle) communications. An aluminum heat-spreader is thoughtfully designed to dissipate heat generated by modules to maintain superior operating stability, for the system and communication modules.

Features:

- Intel® Apollo Lake Atom™ E3950 quad-core processor
- Rugged, -25 °C to 70 °C fanless operation
- Two IEEE 802.3at PoE+ ports and one GbE port
- One isolated CAN port for in-vehicle communication
- One M.2 socket and three mini-PCIe sockets
- Aluminum heat-spreader for M.2/ mPCIe modules
- 4-CH isolated DI and 4-CH isolated DO
- 8~35V DC input with built-in ignition power control

SPECIFICATIONS

CAN	1x isolated CAN 2.0 port
Depth	108 mm
Height	153 mm
Memory RAM	8 GB
Processor	Intel Atom E3950 1.6/2.0 GHz quad-core processor
Shock Resistance	50 Grms (IEC60068-2-27)
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
Weight	1 kg
Vibration Resistance	5 Grms (IEC60068-2-64)
Width	56 mm