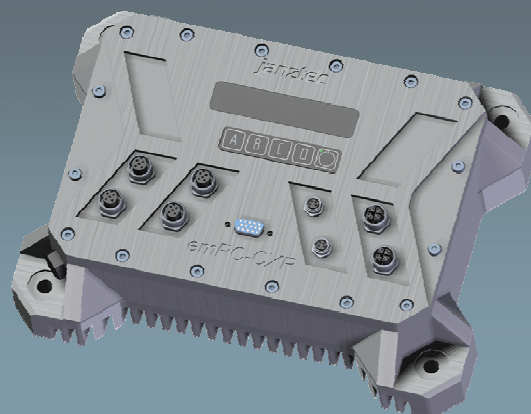


Rugged Embedded PC System with Intel Core i7 Technology



Features

Processor

- Intel Core i7, dual core, 1.7 GHz
- 4 MB cache

System

- Intel Panther Point PCH chipset
- 4GB DDR3 memory (soldered to board)
- Fanless cooling
- 128 kB NVRAM (no battery needed)
- Real time clock with battery backup
- IP67 water proof (when all connectors are mounted)
- OLED display with 2x20 characters (optional)
- 4 free programmable buttons (optional)
- 1 power button, TBD: remote control possible
- Internal mSATA socket

Connectors / Ports

- 2 x M12 5 pin connectors for CAN or serial ports
- 2 x M12 8 pin X-coded connectors for 10/100/1000BaseT Ethernet
- 2 x M8 4 pin connectors for USB
- 1 x M12 TBD pin power supply connector
- 1 x M12 8 pin with 6 digital input/outputs
- 1 x 15 pin DSUB VGA connector

CAN

- SJA 1000 CAN Controller
- Physical Layer ISO/DIS 11898-2, isolated from logic
- BUS termination is software swichtable, 120 Ohm resistor

Power Supply

- 9..34 V DC
- Possibility to connect two power supply with automatic switchover and power loss detection
- Power consumption TBD

Physical

- Ambient operating temperature range from - 40 °C .. + 70 °C
- Dimensions (w x h x d): 270 x 200 x 80 mm (not including M connector overhang)
- Shock (operational): 50G, IEC60068-2-27, half sine, 11ms duration
- Vibration (operational): 5Grms, IEC60068-2-64, random, 5-500Hz, 1Oct/min, 1hr/axis

Supported Operating Systems

WES 7, Linux, others on request

Please notice:

Some details in this preliminary data sheet maybe subject to later technical changes. Not all technical details are fixed at this time. Ask your sales contacts for further information!

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