janz**tec**
Industrial Computing Architects

emPC

emPC-CXR

Embedded System For Harsh And Dusty Environments

FEATURES

Available Processor Types

Intel Core i7-3517UE
- Dual Core Technology with up to 1.7 GHz
- 4 MB L2 Cache

Intel Celeron 1047UE
- Dual Core Technology with up to 1.4 GHz
- 2 MB L2 Cache

System
- Intel Panther Point PCH chipset
- Fanless cooling
- Real time clock with battery backup
- Power button
- OLED display with 2 x 20 characters (optional)
- 4 free programmable buttons (optional)

Storage Mediums / Memory
- 4GB DDR3 memory (soldered to board)
- 128 kB NVRAM (no battery needed)
- Internal mSATA socket

Interfaces (M12)
- 2 x 5-pin connectors for CAN or serial ports
- 2 x 8-pin X-coded connectors for 10/100/1000BaseT Ethernet
- 1 x power supply connector
- 1 x 8-pin with 4 digital input/outputs

Interfaces (M8)
- 2 x 4-pin connectors for USB

Graphic Interfaces
1 x 15-pin D-SUB VGA connector (water proof)

Housing
- IP67 protection
- Dimensions (w x h x d): 270 x 200 x 80 mm (not including M connector overhang)
- Power supply 9 … 34 V_{DC}

Physical and environmental conditions
- Ambient operating temperature range from -40°C … + 70°C
- Shock (operational): IEC60068-2-27, 50G, half sine, 11ms duration
- Vibration (operational): IEC60068-2-64, 5Grms, random, 5-500Hz, 1Oct/min, 1hr/axis
- Possibility to connect two power supply with automatic switchover and power loss detection
- Power consumption max. 35 W

Options
- CODESYS v3.x IEC61131-3 runtime environment
- Customized hardware and software developments and extensions

Supported Operating Systems
- Windows Embedded Standard 7 (WES7)
- Linux

For special operating system images do not hesitate to contact our sales team

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