

Fanless Embedded Controller



Art.-Nr. R05005415

The new concept product of rugged embedded controller PC, R5005415, is equipped with an Intel Ultra Low Voltage Celeron M Processor with four USB 2.0 ports, two up to six serial ports and digital I/O permits communication with diverse devices and signal sensors. R5005415 has a DC power input range from 9 to 36V which can work efficiently without a fan at wide temperatures ranging from -15°C to 55°C. In addition, the strong structure is the optimal choice for industrial applications.

Main Features

- Intel Celeron M & Core 2 Duo Based Fanless Design
- Rich IO (4 USB, up to 6 COM, 2 Ethernet)
- Rich Video (VGA, DVI or HDMI)
- Stackable Chassis Upgrade Design with Easy Expansion Solution Kit

Application

- Marine
- Transportation
- Factory Automation
- Digital Signage

System

Processor	Intel Core 2 Duo (Merom), Core Duo, Core Solo / Celeron M (Yonah)
Chip Set	Intel945GME + ICH-7M
System Memory	Optional: 1 x DDRII SODIMM, Max. 2 GB (DDRII 400/533/667)
Ethernet	Intel EP82562ET, 10/100 Base-TX Intel 82573 GBE (Gigabit Ethernet)
Storage	CF Card
Audio	ALC655, Line-In, Line-Out, MIC
I/O Interface-Front	PWR/HDD LED, DC-In, Power on SW, KB/MS, 2xRJ45, 4x USB, 2x COM (1x RS232, 1x RS232/422/485)
I/O Interface-Rear	Audio Phone Jack (Line-in, Line-out, MIC-in) DVI or HDMI, VGA Connector, CF Connector
BIOS	Award
Wake on LAN	Yes
Watchdog Timer	Generates a time-out system rest
H/W Status Monitor	Supports power supply voltages, fan speed and temperature monitoring
Extension Interface	Mini PCI (internal) Mini PCI-E (internal)
Power Supply	DC Input: Internal DC-DC Converter (Default) Input voltage: 9V DC ~ 36V DC AC Input: External Power Adapter (Optional)

Display

Display	Supports CRT/LCD, Dual Simultaneous/ Dual Independent Display
Chip Set	Intel 945GME Integrated
Memory	Shared system memory to 244MB
Resolutions	Up to 2048 x 1536 (QXGA) for CRT Up to 1600 x 1200 (UXGA) for LCD

Mechanical

Construction	Rugged Aluminium Alloy Chassis
Mounting	Wallmount, Desktop, DIN Rail
Dimension	270 (W) x 61 (H) x 184 (D) mm
Net Weight	4.5 kg

Environmental

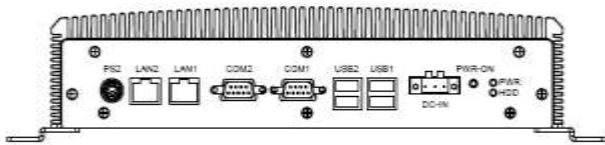
Operating Temp.	-15°C~55°C (5°F~131°F)-CFD
Storage Temp.	-20°C~70°C (-4°F~158°F)
Operating Humidity	5~90% @ 40°C, non-condensing

Certification

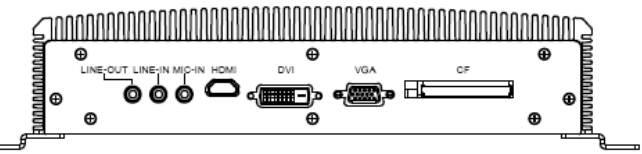
CE/FCC class A, UL



I/O Interface- Front



I/O Interface- Rear



Outline Dimensions (mm)

