

EM9000 Specifications V2.0

CPU Unit

- 200MHz Cirrus Logic EP9315 (ARM920Tbased)
- 64M SDRAM, 32MB NorFLASH.
- WINDOWS CE5.0 Pre-installed
- Supporting eVC Development of Applications
- DOC2000 Enabled as Expandable Hard-Disk
- RTC Enabled (external battery required)

Interfaces

- 1 Ethernet Port (100BASE-TX)
- 4 Serial Ports (UART16550 compatible)
- 1 CAN Bus Ports(SJA1000, Optional)
- 2 USB Host Ports

Display and Human Inputs

- TFT Color LCD Interface(Max-resolution: 1024x768, 16-bit color/pixel)
- 4-wire Touch Screen Enable
- 4x4 Matrix Keypad
- USB Enable Mouse, Keyboard and Mass storage

Expand BUS

- Simplified ISA Bus with 2 Chip Selections (CS0#, CS1#)
- 8-bit Data Width
- Double 8KB Access Ranges (SA0 – SA12)
- 350ns Bus Cycle, 3.3V Bus Signal Level(LVTTL)
- 1 External Interrupt Request Line

Digital I/O

- 16-bit GPIO
- 8-bit Digital Output, 8-bit Digital Input
- Multiplex-pin with ISA Bus Signals

Power Supply and Mechanical Parameters

- Single 5V±5% / 300mA
- Operation Temperature: 0°C – 65°C (Commercial), -40°C – 80°C (Industrial)
- Piggyback Board Style with Size of 98mmx71mm
- 2 Rugged 40-Pin IDC for Interface Ports and ISA Bus
- 4 Install Holes (Ø3)

Basic Software Environment

- Windows CE Pre-installed
- EM9000 SDK Package for Application Development with eVC
- Supporting Various Windows Application Frameworks (MFC etc.)
- Ethernet as Debug Port Enable
- Supporting Microsoft's Remote Tools for Embedded Platform

