ROBO-608

Socket 370 PICMG SBC with PCI VGA and panel display

External power connector · Four 168-pin DIMM sockets · Two IDE connectors · FDD port · PIO port · COM1/RS-232 · Panel display port · PS/2 Mouse · VGA port · COM2/RS-232 · DS1687 real Y2K RTC · PS/2 K/B connector · PC/104 connector · C&T 69000 display chip · USB port · Intel® 440BX south bridge · Intel® 440BX north bridge · Socket 370 for Celeron® processor
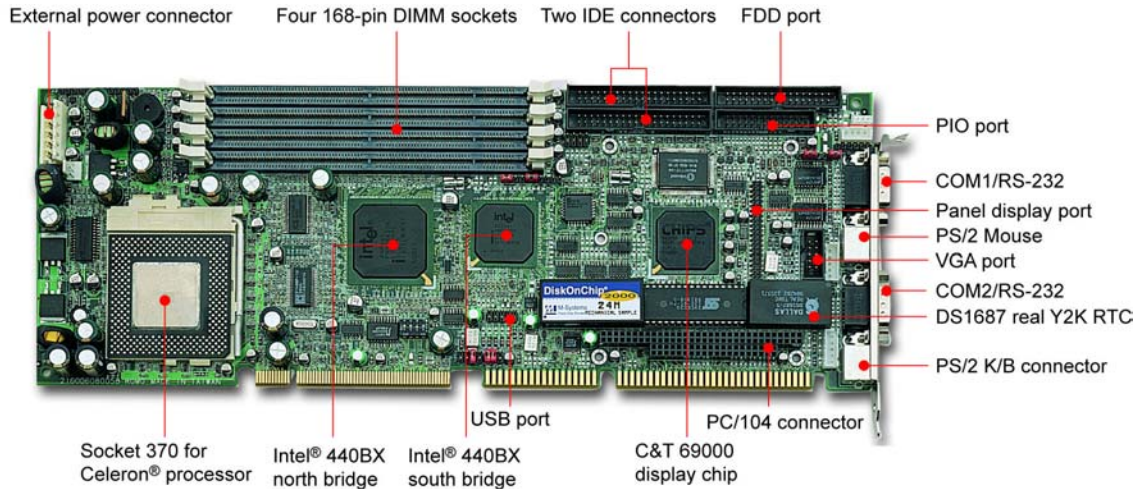
Feature

- Reliable design for high speed Intel® Pentium® III or Celeron® processor
- Intel® 440BX AGPset, the most stable and highly market recognized chipset from Intel®
- PC100 MHz SDRAM for cost effective memory support
- ECC function for data sensitive application
- C&T 69000 and 2 MB SDRAM provide a high performance, low power, highly integrated solution and versatile panel support
- Standard features for embedded system, like H/W monitoring, WDT, SSD and Wake-on-LAN
- One DOC socket for booting Windows NT directly
- PC/104 expansion connector for higher flexibility and expandibility

Specifications

CPU	Intel® Pentium® III processors in the FC-PGA 370 package
	Intel® Celeron® processors in the PPGA & FC-PGA 370 package
System Bus Frequency	66/100 MHz
Chipset	Intel® 82440BX AGPset
Memory	- Up to 1GB PC100 SDRAM on four 168-pin DIMM sockets
	- ECC support
L2 Cache Memory	Built-in CPU
BIOS	AMI BIOS
On-Board I/O	- On-board Winbond W83977ATF super I/O
	- Support for four EIDE devices with Ultra DMA/33
	- Up to two floppy disk drives
	- Two serial, one parallel, one IrDA and two USB ports
Watchdog Timer	- Programmable via software from 0.5 sec. to 254.5 min.
	- Adjustable via hardware jumper setting from 0.5 sec. to 64 sec.
Keyboard/Mouse	- One mini-DIN 6-pin connector for keyboard and mouse
	- One 5-pin header for external keyboard connection
Expansion Interface	PC/104 expansion connector
ISA Bus	64mA high drivig ISA bus interface to backplane for legacy ISA slots
Hardware Monitor	System monitor (fan, temperature, voltage)
ACPI Function	ATX function with 4-pin header connect to backplane
Power Consumption	+5V@6A (typ.) ; +12V@140mA, -12V@30mA
Approval	FCC, CE class A
Board Dimension	338.5(L) x 129(W) mm ; 13.33"(L) x 5.1"(W)
	6-layer PCB
Operating Temperature	0 to 55 ˚C
Storage Temperature	-20 to 75 ˚C
Relative Humidity	5% to 95%, non-condensing

Ordering Guide

ROBO-608
Socket 370 PICMG SBC with PCI VGA
ROBO-608V
Socket 370 PICMG SBC without PCI VGA

Additional Functionality

Display	- C&T 69000 video display chip
	- 2MB display memory
	- Display resolution up to 1280 x 1024 x 8 bpp @ 60 Hz
	- Support for CRT display or TFT/DSTN flat panel (optional)
	- DSUB-15 VGA connector at the rear panel
Solid State Disk	DOC socket for up to 288 MB