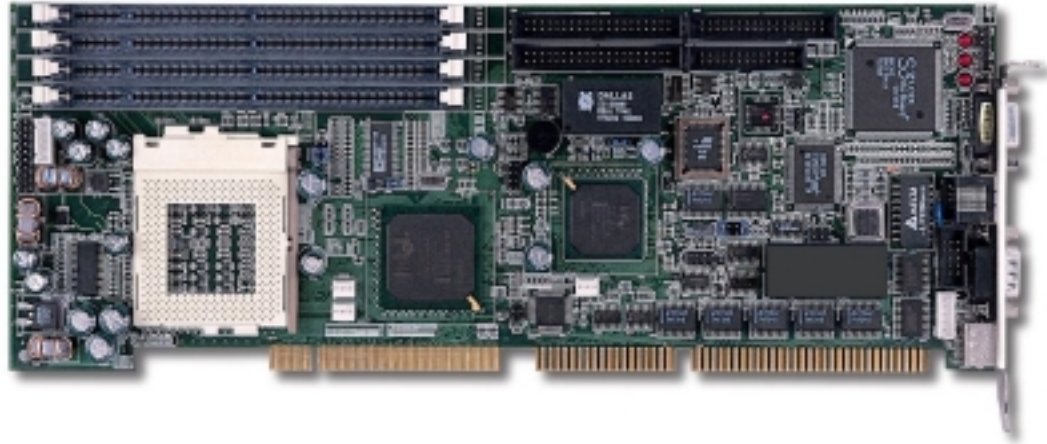


IRV-3702 SBC



Key ISA BUS PROMDISK

DESCRIPTION

The MCSI IRV-3702 Celeron/Pentium III All-In-One Single Board Computer (SBC) contains all the basic elements found in a high-performance IBM PC/AT compatible desktop computer system plus some unique features that make it ideally suited for industrial applications. The most outstanding features include: An optional 32MB PROMDISK-Chip Disk Emulator, dual PCI EIDE hard disk ports to support four EIDE drives, a high performance multi-I/O controller, a WatchDog timer, a 1K-bit E²Key memory for user data, and a 10/100Mbps Ethernet Port. The board uses the Intel 82443BX advanced chipset, and the S3 Trio 3D Graphics controller. The multi-I/O controller includes: dual 16C550 UARTs, a floppy port, and a SPP/EPP/ECP multi-mode bi-directional parallel port. The optional PROMDISK-Chip Disk Emulator comes complete with ROM-DOS version 6.22, making it ideal for embedded diskless applications. The 1K-bit E²Key memory is a non-volatile memory useful for storing user data, such as: critical system parameters, terminal address, etc. The WatchDog timer is ideal for controlling critical processes where unattended operation is essential.

The IRV-3702 Pentium SBC was specifically designed to operate in extreme industrial environments, and has operating temperature range of 0° to 60°C.

FEATURES

- ISA/PCI Passive Backplane Architecture
- Supports up to 850MHz Celeron/Pentium III Processor (Socket 370)
- 1G-Byte SDRAM System Memory (4-168pin DIMMs)
- Includes PCI 2.1 Compatible Bus
- S3 Trio 3D AGP/VGA Controller and Graphics Accelerator
- AMI Plug-n-Play Flash BIOS
- Optional 32MB PROMDISK-Chip™ Disk Emulator
- AT Compatible Keyboard Port (not required for booting)
- Two 16C550 Compatible RS-232 Serial Ports
- PS/2 Compatible Bi-directional Parallel Port
- Dual Floppy Disk Port Supports Drives with Capacities up to 2.88M-bytes
- Dual PCI Extended EIDE Hard Disk Port Supports up to Four Drives
- Universal Serial Bus and Infrared Data Ports for Future Applications
- 10/100Mbps Auto-Sensing Ethernet Port Supports IEEE 802.3u 100BASE-TX Standard
- Y2K Compliant

IRV-3702 SBC CELERON/PENTIUM III SBC with AGP/VGA & LAN

IRV-3702 SBC

SPECIFICATION

- CPU:** Supports: Intel Celeron/Pentium III up to 850MHz.
- Co-processor:** Internal to the Celeron Chip
- Memory:** System Memory: Expandable to 1G-bytes. Supports: 32MB, 64MB, 128MB, and 256MB SDRAM DIMMs using four 168-pin DIMM sockets.
Internal Cache: 16K-byte Data and 16K-byte Instruction Cache Memory.
Internal L2 Cache: 128K-bytes of High Speed Cache Memory (256K for Pentium III).
- BIOS:** AMI Plug-n-Play BIOS EPROM.
- I/O Bus:** ISA compatible
- PCI Bus:** PICMG PCI Standard 2.1
- DMA:** 7 Channels (4 8-bit and 3 16-bit)
- Timers:** 3 Programmable
- Interrupts:** 16
- Reset:** Controlled by on-board power detector and optional reset switch
- I/O Ports:** 2 - RS-232 Serial Ports
1 - Parallel Printer Port
1 - PS/2 Compatible Keyboard Port
1 - PS/2 Compatible Mouse Port
1 - 3.5"/5.25" Dual Floppy Disk Port
2 - EIDE PCI Hard Disk Ports
1 - 10/100Mbps Ethernet Port
1 - WatchDog Timer: 1, 2, 10, 20, 110, or 220 seconds
1 - Speaker Port with on-board speaker
1 - Keylock & Power LED Port
1 - Universal Serial Bus Port
1 - IrDA Infrared Data Port
- AGP/VGA Port:** Chipset: S3 Trio 3D AGP/VGA Video Controller
Bus: PCI Local Bus
VRAM: 4MB SDRAM
Resolution: 1600x1200 64K colors, 1280x1024 64K colors, 1024 x 768 16M colors
CRT Video: 15-pin D connector
- Speed:** 300-650MHz jumper selectable
- Benchmark:** Landmark v2.0 = 2337MHz (400MHz CPU)
- Battery:** Clock/Calendar with Internal Lithium Battery
- Size:** Full Size AT-type board 13.3"L X 4.8"H
- Power:** +5VDC @ 5.5A, +12VDC @ 0.16A, -12VDC @ 0.06A

ORDERING INFORMATION

The IRV-3702 SBC can be ordered in the following configurations:

<i>Part Number</i>	<i>Description</i>	<i>Part Number</i>	<i>Description</i>
89000	IRV-3702 without CPU	89070	IRV-3702/750MHz
89010	IRV-3702/400MHz	89090	IRV-3702/850MHz
89020	IRV-3702/433MHz		
89030	IRV-3702/466MHz		
89040	IRV-3702/500MHz		
89050	IRV-3702/600MHz		

All MCSI products carry a two-year unconditional Warranty. Contact MCSI headquarters for OEM quantity purchase ordering information.

Specifications Subject to Change without Notice



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