VGA, Disk, and Network Interface for PC/104 MPC205

Features

✓ VGA CRT Support

✓ Single/Dual Floppy disk interface

✓ Single/Dual IDE interface

✓ Keyboard controller supports keyboard and PS/2 mouse

✓ Optional 10BASE-T Ethernet

✓ 5V-only operation

✓ PC/104 format

The MPC205 Development I/O card provides a diversified PC/104 user interface solution. MPC205 onboard features include a VGA system supporting any standard VGA CRT monitor, a floppy/IDE controller which can interface up to two IDE hard drives and two floppy disk drives to any PC/104 computer system, and a keyboard controller supporting a keyboard and PS/2 mouse. In addition, MPC205 has an onboard 10BASE-T Ethernet controller (optional) supporting the IEEE 802.3 Ethernet standard. It provides direct links to the most popular PC networks, including Novell Netware, Microsoft LAN Manager, Windows for Workgroups, and other ODI, NDIS, or UDP/IP networks.
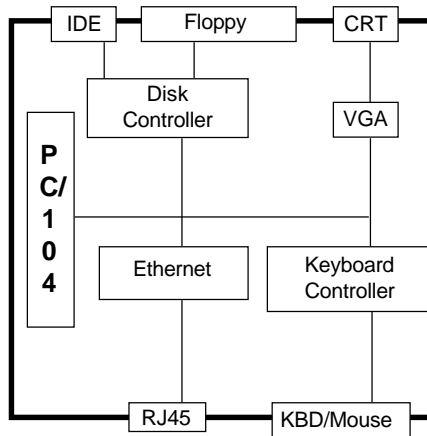
Software Support

All PC disk software. VGA, keyboard, and PS/2 mouse included
Drivers included for most networks: IPX, ODI, NDIS, UDP/IP

Compatible Hardware

Micro/sys CPUs with 16-bit PC/104 expansion connector
Floppy disk drives
IDE hard disk drive
VGA CRTs
Keyboard & PS/2 mouse
Networks on twisted pair media with Ethernet option

Mounting/Packaging

PC/104 standard

```
┌─────┬──────────┬─────┐
│ IDE │  Floppy  │ CRT │
└─────┴──────────┴─────┘
      ┌──────────┐
      │   Disk   │   ┌─────┐
      │Controller│   │ VGA │
      └──────────┘   └─────┘
┌───┐
│ P │
│ C/│
│ 1 │  ┌──────────┐  ┌────────────┐
│ 0 │  │ Ethernet │  │  Keyboard  │
│ 4 │  └──────────┘  │ Controller │
└───┘                └────────────┘

      ┌──────────┐  ┌────────────┐
      │   RJ45   │  │  KBD/Mouse │
      └──────────┘  └────────────┘
```

Specifications:

Mechanical:
- ❑ PC/104 standard
- ❑ 3.55" (plus I/O region) x 3.775" x .6"

Power Requirements:
- ❑ +5V ± 5% at 400mA max

Environmental:
- ❑ 0° - +70°C operating
- ❑ -25° - +85°C storage
- ❑ 5%-95% relative humidity, non-condensing

PC/104 Interface:
- ❑ 16-bit PC/104 module
- ❑ Floppy I/O ports: 3F0-3F7
- ❑ IDE I/O ports: 3F6-3F7
- ❑ Floppy DRQ2/DACK2
- ❑ 4 selectable I/O port areas for keyboard/mouse
- ❑ Ethernet I/O address 300h, 320h, 340h, or 360h
- ❑ IRQ jumpers

External Connections:
- ❑ 40-pin right angle IDE header
- ❑ 34-pin right angle floppy header
- ❑ 10-pin right angle keyboard/mouse interface
- ❑ 14-pin VGA header interface
- ❑ RJ45 connector (Ethernet option)

Ordering Information:

MPC205   Development I/O board
205OPT20   10BASE-T Ethernet option

Related Products:
CA4025   IDE cable, 40-pin/40-pin headers
CA4030   VGA cable
CA4031-3   Dual 3.5" floppy cable
CA4048   Keyboard and mouse breakout cable