



PIA-391

Flat Panel / CRT Module

The PIA-390 is a 16-bit Super VGA high resolution, high performance CRT display controller. It can deliver up 16M colors.

Chipset : Topro TP6508IQ
simultaneous Flat panel and CRT operation
1 MB display RAM
up to 800x600 at 256 colors
built-in VESA feature connector
supports 3.3 V and 5 V displays
onboard panel contrast adjustment
onboard DC-to-DC converter :
VEE -35 V ~ +35 V

Ordering

PIA-391 :
PC/104 Flat Panel / CRT SVGA Module
with DC-to-DC converter



PIA-390

True Color SVGA Module

The PIA-390 is a 16-bit Super VGA high resolution, high performance CRT display controller. It can deliver up 16M colors.

Chipset : Cirrus CL-GD5429 single chip, true color, SVGA controller
Fully compatible with IBM VGA display
1 MB display RAM
0 wait state operation
32-bit GUI acceleration
Bit block transfer (BitBLT) engine
Color expansion for 8- or 16-bit pixels
Built-in VESA feature connect for multi- media application
Low-power CMOS design
Power Requirements : single 5 V @ 200 mA
Operating temperature: 0 ~ +55°C

Ordering

PIA-390 :
PC/104 True Color CRT SVGA Module



PIA-3148

48-bit Digital I/O Module

The PIA-3148 is a 48-bit digital I/O module. The module can be used together with TTL level input /output circuitry. Its 48 bits are arranged in two 24-bit digital I/O groups. Each group emulates an 8255 PPI (programmable peripheral interface) mode 0, but has a higher driving capacity than the 8255 PPI. Each 24-bit group is divided into three 8-bit ports.

48 digital I/O lines (2 groups)
Group emulates a 8255 PPI mode 0
Buffered circuits for higher driving capacity than 8255
Bit 0 of port C can generate an interrupt to IRQ 2, 3, 4, 5, 6 or 7
Interrupt trigger on rising / falling edge
Output status readback
Pin-compatible with OPTO-22 I/O module racks
Transfer rate: 300 KB/sec. (typical)
Digital output:
Logic level 0: 0.5 Vmax @ 24 mA
Logic level 1: 2.0 V min. @ 15 mA
Digital input
Logic level 0: 0.8 V max.
Logic level 1: 2.0 V min.

Ordering

PIA-3148 : PC/104 48-bit Digital I/O Module
PIA-3124 : PC/104 24-bit Digital I/O Module

