

PC/104-PLUS FRAME GRABBER & LCD/CRT CONTROLLER



DESCRIPTION

The M512 module is a PC/104-Plus module that integrates a high performances graphic controller for LCD/CRT together with a Frame Grabber structure. The board can be interfaced to other PC/104-Plus Modules through a PCI interface.

The module is available in three versions:

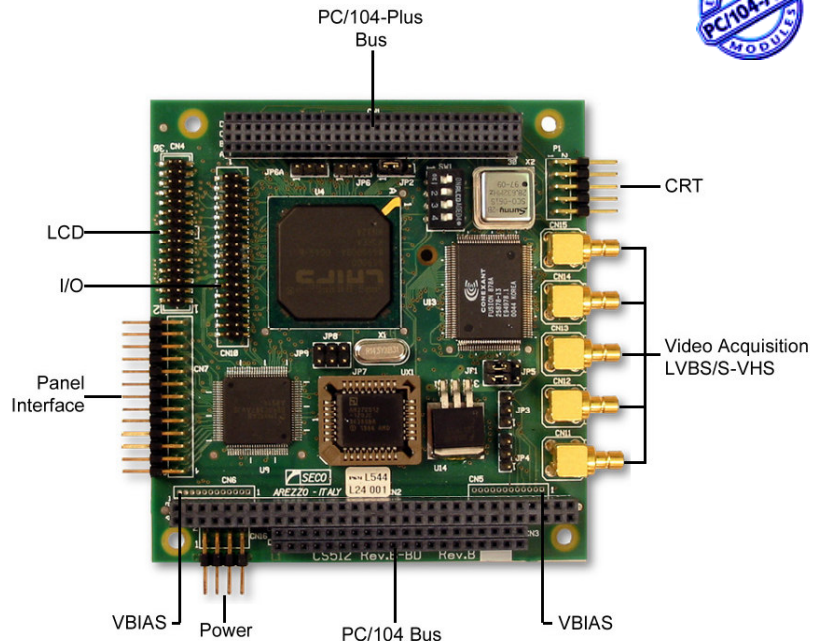
- Graphic Controller
- Frame Grabber
- Graphic Controller & Frame Grabber

The module integrates the B69000 graphic controller from Chips & Technologies with 2 MB video RAM and resolution up to SXGA 1280x1024 256 colors.

Optionally, it is possible to install a SECO proprietary mini-module that generates the BIAS and Contrast Voltages necessary to drive standard STN LCD Panels.

The module integrates the Conexant BT878KPF video decoder that automatically recognizes and converts analog signals in digital signals. A very fast data acquisition is guaranteed by the DMA communication on PCI bus.

It is possible to acquire four CVBS signals or three CVBS + one SVHS signals through the dedicated SMB connectors..



ORDERING INFORMATION

Part	Description
M512-BA	PC/104-Plus Frame Grabber without SMB connectors
M512-BB	PC/104-Plus Frame Grabber with SMB connectors

TECHNICAL SPECIFICATIONS

- **PC-104/Plus module**
- **PCI Interface**
- **Graphic Controller:**
 - B69000 with 2 MB VRAM
 - SXGA resolution 1280x1024 256 colors
- **LVDS interface**
- **Hardware Multimedia Support**
- **Simultaneous display on CRT and Flat Panels**
- **Video Acquisition Frame Grabber:**
 - Conexant BT878KPF video decoder
 - 4 CVBS signals or 3CVBS/1SVHS analog inputs
- **PAL/SECAM & NTSC Frame Grabbing**
- **Environmental**
 - Power supply voltage: +5V, +12V
 - Operating temperature: 0° to 70° C
 - Storage temperature: -40° to 85° C
 - Relative humidity: 5% to 95%
- **Dimensions** 90 × 96 mm (3.6 × 3.8")
 - vertical 19 mm (0.75") for each additional PC/104 module

