

PANEL12-S2

12" All-in-One Desktop Solution



General Description

The silent, space-saving PANEL12-S2 is specifically designed as front end interface for secure sensitive applications where reliability and quality is a major issue.

The PANEL12-S2 expands MPL's PANEL-PIP family of compact, easy-to-integrate multifunction All-in-One solutions. It combines a 12.1" display with excellent optical specifications, a touch screen and a low power Celeron M based single board computer. All this comes within the footprint of a 12" LCD monitor and saves space on your desk.

The PANEL12-S2 can be mounted over a standard VESA75 on a adjustable socket, a swivel arm or on the wall. On the back, covered and protected behind a plate, various PC interfaces are directly available for the user. The connectors and cables are hidden and away from the user. As housing a robust, stylish, chromated and externally powder coated aluminum case is used.

Like all other MPL products the PANEL12-S2 comes without a fan or air vents and therefore is completely silent.



Features

- Space saving, integrated, all-in-one solution
- Silent, fanless design
- Easy operation, navigation over touch screen
- Functions as desktop or wall-mountable system
- Use of standard cables that are hidden from user's view
- Two built-in speakers for stereo Audio playback
- With an integrated hard drive or solid-state flash drive
- Connectivity includes one RS232, two USB 2.0, Ethernet, PS/2 mouse, PS/2 keyboard
- Comes with preinstalled WinXP Image

Applications

As space saving, fanless and noiseless system the PANEL12-S2 is an excellent solution for any desktop application like in telecommunication, kiosk information systems, POS and Internet access points.

PANEL12-S2



Technical Data

Electrical

Processor	Low Power Embedded Celeron-M CPU, 600 MHz 512 kB Level 2 Cache Processor out of Intel's long-term supply program
Chip Set	Intel 855GME & 6300ESB with 400 MHz front side Bus
BIOS	1MB Flash, easy to update, MPL engineered BIOS (General Software)
Memory	200-pin SO-DIMM module with 256 MB DDR333 SDRAM
E-IDE	Ultra DMA/33, PIO mode 4; internal connected to HDD or solid-state flash drive

Interfaces

Mouse	PS/2	6-pin mini DIN
Keyboard	PS/2	6-pin mini DIN
Ethernet	1 x 10BaseT /100BaseTX	RJ45
USB	2 x USB 2.0	2 x Type A
Serial Ports	1 x RS232	COM2 on D-SUB9
Speaker	two 0.3 watt/channel	Direct connected to stereo Line-In Jack

Optical

Display Size	12.1 inch-diagonal
Type	Active TFT LCD
Resolution	SVGA (800x600 pixel)
Color Depth	16.1 M
Contrast ratio	500:1
Brightness	350 cd/m ²
Viewing Angle	65/65/45/75 (right/left/upper/lower)
Pixel Pitch	0.3075 x 0.3075 mm

Touch

Type	Resistive 8-wire Touch
Surface	hard coating, antiglare treatment
Controller Resolution	1024 x 1024
Controller Interface	over RS232 on COM1

Touch and Mouse operation simultaneously possible!

Mechanical

Surface	Aluminum
Protection class	front IP 65
Case color	Dark gray (RAL7016) - others on request
Mounting Options	75mm VESA mount, M4 bolts on back – normally delivered with stainless steel stand
Dimensions	316 x 248 x 63 mm (L x H x W)
Weight	3.5 kg + 0.9 kg (stand)

Physical

Power Supply	External 12 VDC Power Supply (100-240VAC) with power cord for region is included
Power Consumption	less than 30 W
Temperature Range	0°C up to +40°C
Humidity	20% - 80% non condensing

Operating Systems

Microsoft® Windows® XP Professional
Microsoft Windows XP Embedded
Microsoft Windows 2000
Linux