

AMB-562 series

12.1" Industrial Panel PC with 7-Slot Backplane



▶ AMB-562HT

Introduction

The AMB-562 panel PC, is a PC-based industrial computer designed to serve as a Human Machine Interface. It is a bare-bone PC-based system which could be configured with different levels of half size CPU cards with a 12.1" SVGA (800 x 600) color TFT LCD display. The AMB-562 series comes with a dedicated ISA-bus video display card (MBC-265B) and uses TTL technology. The heavy-duty steel chassis and NEMA 4/12 plastic front panel are designed for any harsh environment of industrial standards. The rear side of AMB-562 series enable to open for easy access to the disk drive housing for CD-ROM and HDD.

Features

- 12.1" SVGA color TFT LCD display
- Plastic front panel and heavy-duty steel chassis
- Water-proof front panel meets NEMA 4/12 & IP65
- Disk drive bay for CD-ROM and HDD
- 7-Slot ISA/PCI-bus passive backplane
- Brightness controller, external keyboard, RS-232 port, power switch and LCD power on/off are behind a click-on door on the front panel
- Rear side door for easy installation and maintenance

Specifications

- **Construction:** Heavy-duty steel chassis & NEMA 4/12 plastic front panel.
- **Display:** 12.1" SVGA (800 x 600) color TFT LCD
- **Disk Drive Housing:** 3.5" HDD space & 5.25" CD-ROM space, can install AS-36
- **Front panel color:** PMS cool gray 4C
- **Mounting:** Panel mount

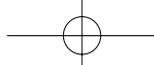
- **Expansion slots:** 7-Slot ISA Backplane
- **Power supply:** Universal 70W switching power supply
- **Dimension (W x H x D):** 362 x 345 x 234mm (14.3" x 13.6" x 9.2")
- **Carton Dimension (W x H x D):** 479 x 387 x 480mm (18.8" x 15.2" x 18.8")
- **Gross Weight:** 15.6Kg (34.4 lbs)

Environmental Specifications

- **Operating temperature:** 0° to 45°C (32~113°F)
- **Storage temperature:** -20° to 60°C (-4~140°F)
- **Storage humidity:** 10 to 95% @40°C, non-condensing
- **Vibration:** 1G / 5 ~ 500Hz / operation
- **Shock:** 10G peak acceleration (11 msec. duration)
- **EMI:** CE

LCD Specifications

Model	AMB-562HT
Display type	12.1" color TFT LCD
Max. Resolution	800 x 600
Max. Colors	256K
Dot size (mm)	0.3075 x 0.3075
Luminance (cd/m ²)	250
Viewing angle	120°(H) 90°(V)
Temperature	0°C ~ 50°C (32~122°F)
Brightness Control	VR
LCD MTBF (Hrs)	50,000
Back Light MTBF (Hrs)	25,000



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Flat Panel Control Card (MBC-265B)

- **Type:** Half-size ISA-bus
- **Video Chip:** TOPRO TP8650
- **DRAM:** On-board 1MB
- **Connectors:** Built in 8/16-bit, 18-bit and 24-bit panel connector.
- **Max. resolution and color:** 800 x 600 @256K color

MBC-266B (optional)

- **Type:** Half-size PCI-bus
- **Video Chip:** Chips T65550
- **DRAM:** On-board 1MB
- **Connectors:** Built in 8/16-bit, 18-bit and 24-bit panel connector.
- **Max. resolution and color:** 1024 x 768 @256K color

Touchscreen (optional)

Type: 8-wire, analog resistive
Resolution: 1024 x 1024
Light transmission: >68%
Lifetime: 1 million activations

Operating pressure: 90g average for finger, 70g average with non-metal stylus

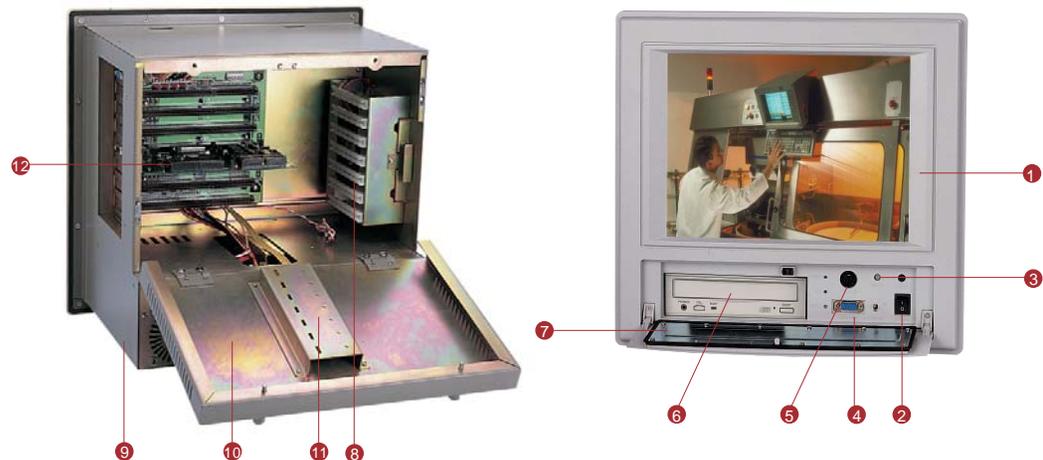
Controller: RS-232 interface

OS support: MS DOS, Windows 3.1, Windows 95, Windows 98, Windows ME, Windows NT, Windows 2000

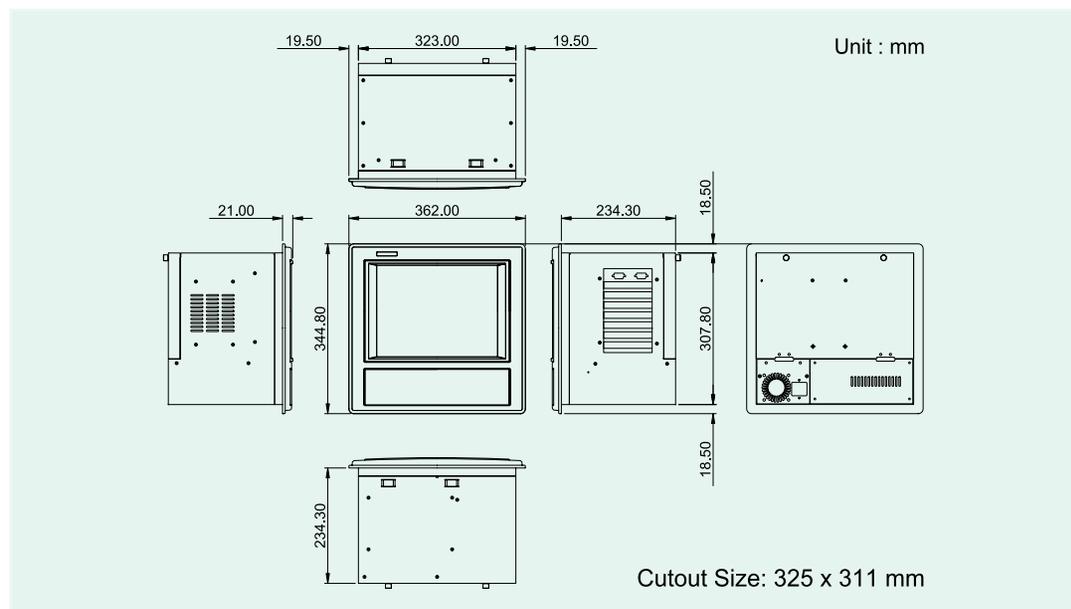
Ordering Information

- **AMB-562HT**
12.1" color TFT LCD display Panel PC with 7-Slot ISA Backplane, ISA VGA card, 70W AC power supply
- **AMB-562HTT**
AMB-562HT + touchscreen (RS-232 interface)
- **Optional**
 - 70W DC 10~30V power supply
 - 7-Slot PCISA Backplane (1 x PCISA, 4 x PCI, 2 x ISA)
 - PCI VGA card
 - RAM
 - 5.25" CD-ROM
 - HDD
 - AS-36 (refer to p.79)
 - FDD
 - AKB-106 (refer to p.80)
 - AKB-107(refer to p.80)

1. NEMA 4/12 plastic front panel
2. Power On/Off
3. Brightness or contrast control VR
4. Serial port
5. External keyboard connector
6. Space for 5.25" CD-ROM drive, could install AS-36
7. Water-proof push-lock front panel
8. Cooling fan & filter
9. Drive bay & power module
10. Rear cover
11. Hold-down clamp
12. 7-Slot passive backplane



Dimension



AMB-562HT