AMB-513

Industrial Panel PC with Flat-Panel Display

Features

- Heavy Duty Steel Chassis with NEMA 4/12 Plastic Front Panel

- 10.4" Color TFT LCD Display

- 4-Slot (2 available) ISA-Bus Passive Backplane

- Comes with an Internal 3.5" FDD, 4.3GB HDD & CD-ROM (optional)

- 30 CFM Cooling Fan

- Universal 70W Power Supply or Other Options (Refer to The Selection Table)

- Analog Resistive Touchscreen (option)

Introduction:

The AMB-513 series industrial panel PC's are IBM PC/AT compatible computers specially designed to meet all the requirements for a human-machine interface (HMI). They come equipped with a 10.4" color TFT LCD display. All are enclosed with a heavy duty steel chassis and a plastic front panel which meets NEMA 4 / 12 industrial and environmental protection standards.
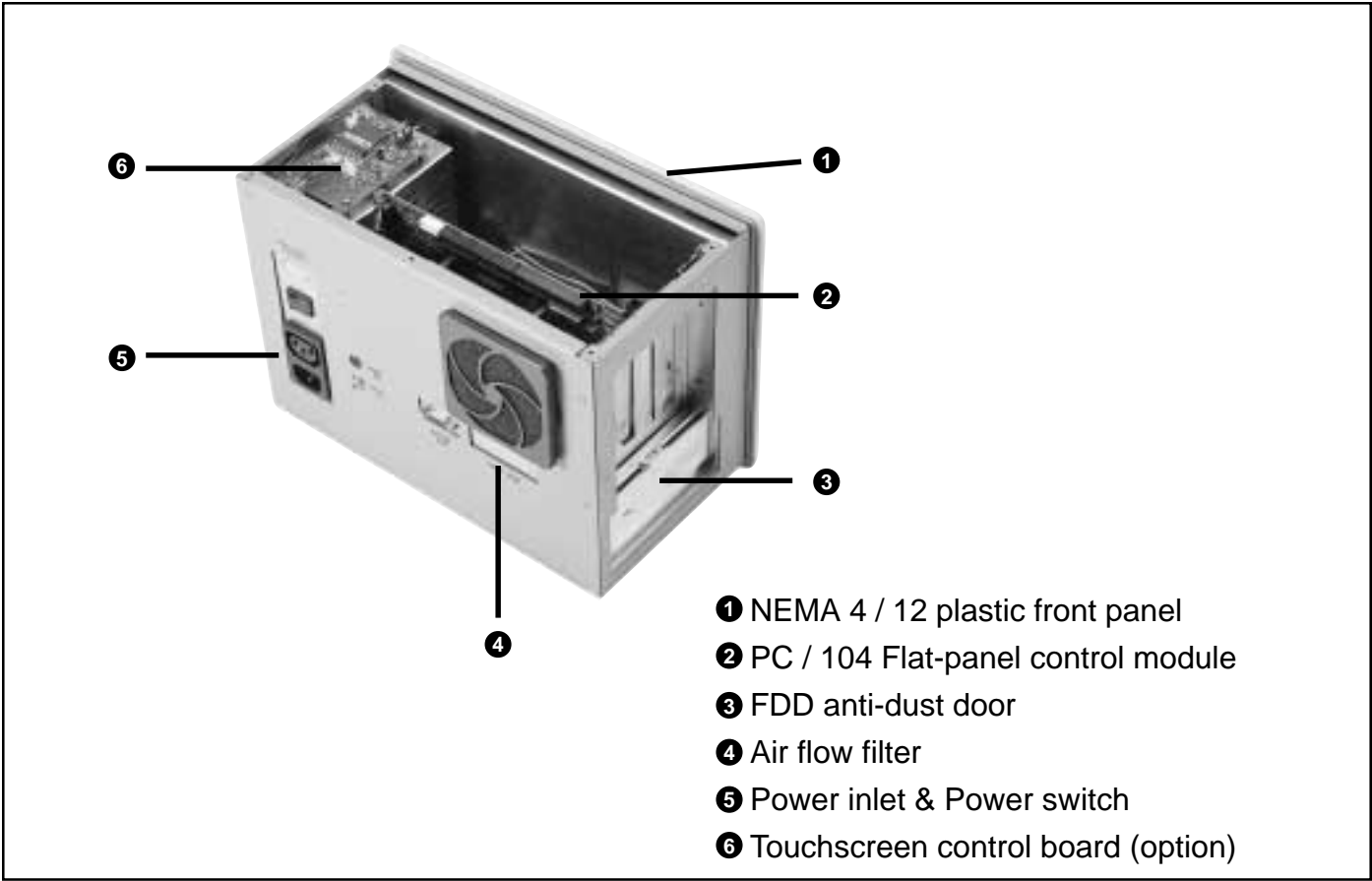
Display Selection Table

Item	Color TFT
Diagonal	10.4
Display Area	211.2 (H) x 158.4 V
Resolution	640 x 480
Color	64K colors
Display Life	25,000 Hrs.

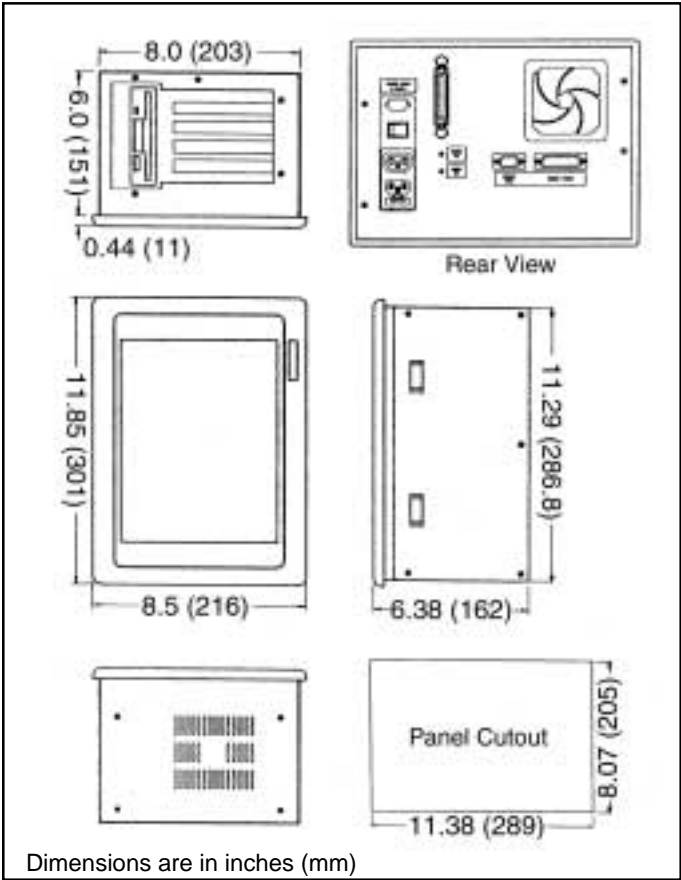## Power Supply Selection Table

Model	Input Voltage	Max. Output Current			
		+5V	+12V	-5V	-12V
Universal/70W	90-260VAC	7A	2.5A	0.3A	0.3A
48VDC/70W	36 to 72VDC	7A	2.5A	0.3A	0.5A
24VDC/70W	19 to 30VDC	7A	2.5A	0.3A	0.5A
12VDC/65W	8.5 to 16VDC	6A	2A	0.3A	0.5A

Specifications:

Construction:	Heavy Duty steel chassis & NEMA 4/12 plastic front panel
I/O Ports:	1 High speed serial port, 1 bi-directional parallel port
Ethernet:	10/100 BaseT, RTL8139 chipset
CPU:	Celeron 366MHz
Disk drives:	Internal 3.5" FDD & Internal 3.5" 4.3 GB (or higher) HDD
Flash Disk:	Disk On Chip
Touch Screen:	Analog Resistive
Cooling system:	30 CFM cooling fan
Weight:	6Kgs
Power supply:	Universal (90-260 VAC) standard (refer to the selection table)
Passive backplane:	4-slot ISA-Bus, (1 used by CPU, 2 Available) 4-layer PCB with power plane for noise reduction and power supply impedance. LED power indicators for +5V, -5V, +12V, -12V
Operating Temp:	0°C to 50°C
Storage Temp:	-20°C to 60°C
Relative humidity:	5 to 95%, non condensing
Altitude:	10,000 ft. (3000 meters)
Vibration:	5 to 17Hz, 0.1 " double-amplitude displacement 17 to 500 Hz, 1.5G peak to peak
Shock:	10G peak acceleration (11 msec. duration)
Safety:	CE
EMI:	meets FCC/VDE Class A
Operating system:	Windows 98
RAM:	32MB STD; Expandable to 128MB
Cache:	512k
VGA controller:	C & T Chips 65535T LCD/CRT
System BIOS:	Award BIOS
I/O chipset:	ALI Alladin 4 + Chipset
IDE/PCI support:	Ultima PMA/33
Mouse connector:	PS/2
Keyboard connector:	AT

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❶ NEMA 4 / 12 plastic front panel

❷ PC / 104 Flat-panel control module

❸ FDD anti-dust door

❹ Air flow filter

❺ Power inlet & Power switch

❻ Touchscreen control board (option)

Dimensions:

8.0 (203)

6.0 (151)

0.44 (11)

Rear View

11.85 (301)

8.5 (216)

11.29 (286.8)

6.38 (162)

Panel Cutout

8.07 (205)

11.38 (289)

Dimensions are in inches (mm)

Ordering Information:

How To Order:

EXAMPLE	AMB-513	HT	T

Series
AMB-513 Series includes:
PC / 104 MBC-264L graphic card,
4-slot ISA/PCI-Bus passive back
plane and a universal 70W switching
power supply

Display Type
HT = 10.4" high brightness color TFT LCD display

Options
T = Touchscreen option
-48VDC = -40 to -65 VDC input power supply
24VDC = 19 to 30 VDC input power supply
12VDC = 8.5 to 16 VDC input power supply

Accessories
EXTCD = External CD-ROM Drive
AMB-106 = 20 function key sealed membrane keyboard
AMB-107= 56 data entry key sealed membrane keyboard

For additional RAM consult factory