AMB-2000/2020

Industrial HMI Panel PC with Flat-Panel Display

Features

- 10.4" or 12.1" VGA color TFT LCD display

- Heavy-duty steel chassis and NEMA 4/12 compliant plastic front panel

- All-in-one SBC, MediaGX 233MHz

- Brightness and LCD power on/off controller on the aluminum alloy front panel (aluminum front panel optional)

- Four 16C550 RS-232C ports, one RS-232C port can also be set as RS-422/485

- Disk Driver Space for CD-ROM, FDD and HDD

- DiskOnChip flash disk socket

- PC/104 expansion connector

Introduction

The AMB-2000/2020 series panel PC's are industrial computers that are designed for industrial environments.. They are a full function PC-base system with a 10.4" VGA (640 x 480) color TFT hi-brightness, long-life time LCD display. The compact dimensions are ideal for automation applications where the installation space is critical. These PC's are characterized by their space saving feature and flexible selection of hardware. The AMB-2000/2020 series panel PC's feature a heavy-duty steel chassis with a sealed plastic front panel that meets the toughest industrial and environmental standards.

Specifications for AMB-2000

Construction: Heavy-duty steel chassis & NEMA 4/12 plastic front panel.
CPU: MediaGX 233MHz
Memory: 64M DRAM
Display: 10.4" VGA (640 x 480) TFT color LCD
LCD/CRT controller: NS Cx5530 Chipset UMA supports up to 4MB display memory
Network (LAN): Realtek RTL8139B 10/100Base-T Ethernet controller
I/O ports: 4 serial ports: three RS-232, one RS-232/422/485, 1 parallel port (support ECP/EPP), 1 keyboard port, 1 PS/2 mouse interface
Disk Drives: HDD and FDD or HDD and CD-ROM
USB connector: Dual USB ports onboard
Expansion: PC/104 connector
Mounting: Panel mount
Power supply: Universal 70W switching power supply
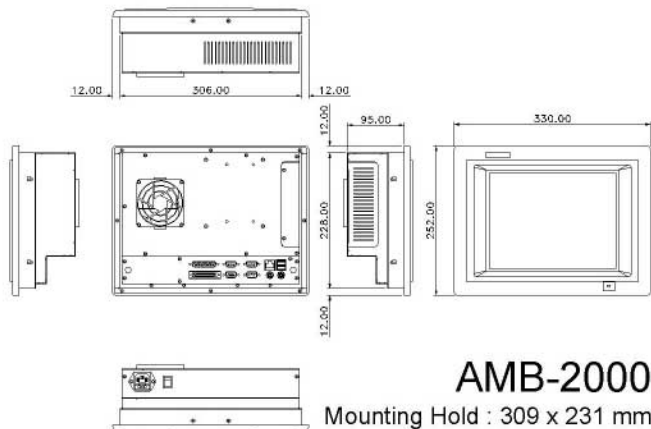**Dimension:** (W x H x D) 306 x 228 x 95 mm
Gross Weight: 6.0 Kg

Specifications for AMB-2020

Construction: Heavy-duty steel chassis & NEMA 4/12 plastic front panel.
CPU: MediaGX 233MHz
Memory: 64M DRAM
Display: 12.1" SVGA (800 x 600) TFT color LCD
LCD/CRT controller: NS Cx5530 Chipset UMA supports up to 4MB display memory
Network (LAN): Realtek RTL8139B 10/100Base-T Ethernet controller
I/O ports: 4 serial ports: three RS-232, one RS-232/422/485, 1 parallel port (support ECP/EPP), 1 keyboard port, 1 PS/2 mouse interface
Disk Drives: HDD and FDD or HDD and CD-ROM
USB connector: Dual USB ports onboard
Expansion: PC/104 connector
Mounting: Panel mount
Power supply: Universal 70W switching power supply
Dimension: (W x H x D) 330 x 255 x 93 mm
Gross Weight: 5.0 Kg

LCD Specifications

Model:	AMB-2000	2020
Display type:	10.4" TFT color LCD	12.1" TFT color LCD
Max. resolution:	640 x 480	800 x 600
Max. colors:	256K	256K
Dot size (mm):	0.33 x 0.33	0.308 x 0.308
Luminance (cd/m2):	200	200
Viewing angle:	90° (h) 50° (v)	110°
Temperature:	0° ~50° C	0° ~50° C
VR Controller:	Yes	Yes
LCD MTBF (Hrs):	50,000	50,000
Back Light MTBF (Hrs):	25,000	25,000

Ordering Information

AMB 2000

Part Number	Description
2000HT	10.4" Bright TFT Color LCD, (200 cd/m) Cyrex MediaGX 233MHz CPU

Options (add to end of Part Number)

T	Touchscreen
24V	24V power instead of 120VAC power
12V	12V power instead of 120VAC power
128M	Memory expanded to 128MB
NTW	Windows NT 4.0 Workstation Installed
NTS	Windows NT 4.0 Server (5 lic.) Installed
ILINK	Infilink Software Installed. Unlimited Tags, Any Driver
INTCD	Internal Slim CDROM REPLACING internal FDD. With this option, no internal FDD will be present. There is no external FDD connector, so a USB floppy drive should be purchased if needed.
USBFDD	External USB Floppy Disk Drive
EXTCD	External CDROM Drive

AMB 2020

Part Number	Description
2000HT	12.1" Bright TFT Color LCD, (250 cd/m) Cyrex MediaGX 233MHz CPU

Options (add to end of Part Number)

T	Touchscreen
24V	24V power instead of 120VAC power
12V	12V power instead of 120VAC power
128M	Memory expanded to 128MB
NTW	Windows NT 4.0 Workstation Installed
NTS	Windows NT 4.0 Server (5 lic.) Installed
ILINK	Infilink Software Installed. Unlimited Tags, Any Driver
INTCD	Internal Slim CDROM REPLACING internal FDD. With this option, no internal FDD will be present. There is no external FDD connector, so a USB floppy drive should be purchased if needed.
USBFDD	External USB Floppy Disk Drive
EXTCD	External CDROM Drive

Dimensions

AMB-2000
Mounting Hold : 309 x 231 mm

AMB-2020
Mounting Hold : 333mm x 258mm