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: 32M 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: 32M DRAM

Display: 12.1" SVGA (800 x 600) DSTN 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	12.1" TFT
	color LCD	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

10.4" Bright TFT Color LCD, (200 cd/m) 2000HT

Cyrex MediaGX 233MHz CPU

Options (add to end of Part Number)

Touchscreen 24V 24V power instead of 120Vac power 12V 12V power instead of 120Vac power

64M Memory expanded to 64MB 128M Memory expanded to 128MB NTW

Windows NT 4.0 Workstation Installed Windows NT 4.0 Server (5 lic.) Installed NTS

ILINK Infilink Software Installed. Unlimited Tags, Any Driver

Internal Slim CDROM REPLACING INTCD 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

External CDROM Drive **EXTCD**

AMB 2020

Part Number Description

12.1" Bright TFT Color LCD, (250 cd/m) 2000HT

Cyrex MediaGX 233MHz CPU

Options (add to end of Part Number)

Touchscreen

24V 24V power instead of 120Vac power 12V 12V power instead of 120Vac power 64M Memory expanded to 64MB 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

Internal Slim CDROM REPLACING INTCD 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



