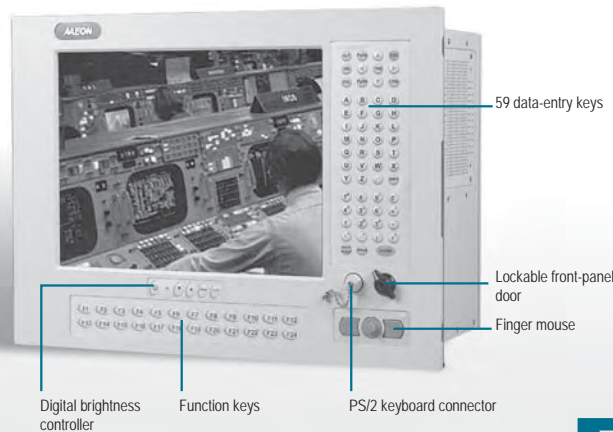


# AWK-4501 (AMB-2450-D)

## Industrial Workstation with 15" TFT LCD and 10 Expansion Slots

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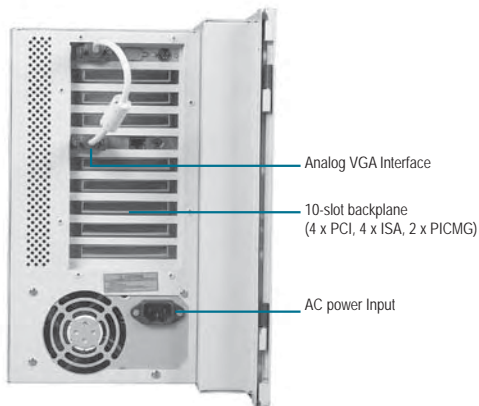
Industrial Workstation Solutions



Digital brightness controller    Function keys    PS/2 keyboard connector    59 data-entry keys    Lockable front-panel door    Finger mouse

### Features

- 15" XGA (1024 x 768) Color TFT LCD
- Aluminum Alloy Front Panel and Heavy-duty Steel Chassis
- Disk Drive Bay for Slim CD-ROM, Floppy Disk Drive and 3.5" Hard Disk Drive
- Analog VGA Interface
- Supports Intel® Pentium® III or Pentium® 4 Processor Full-size CPU Cards
- PCI x 4, PICMG x 2, ISA Bus Passive Backplane x 4
- Front Panel with IP-44 Certification



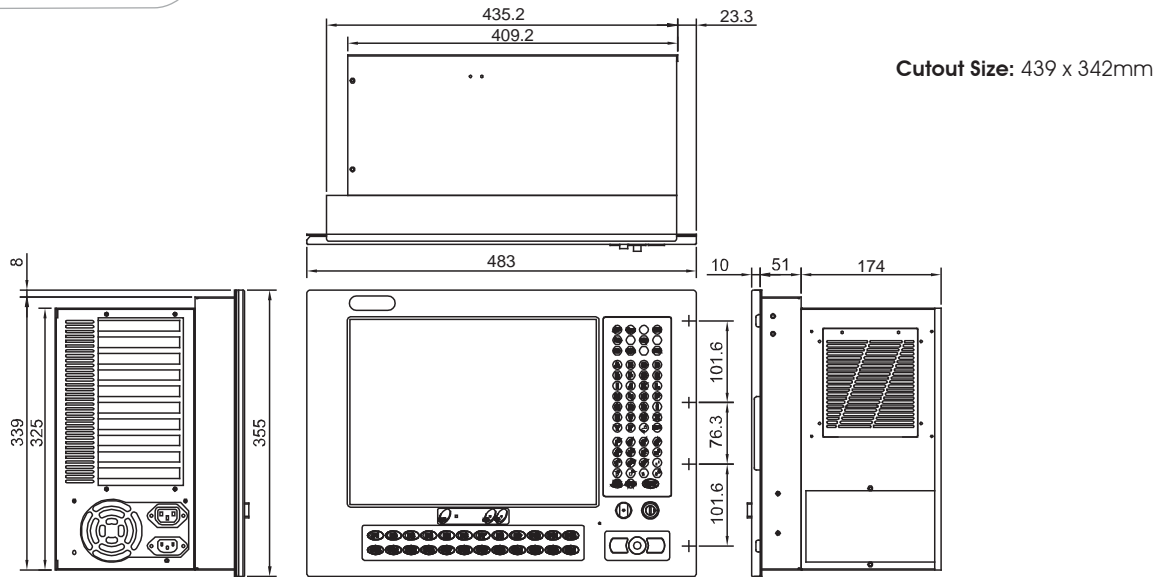
Analog VGA Interface    10-slot backplane (4 x PCI, 4 x ISA, 2 x PICMG)    AC power Input



### Specifications

System	
Storage Disk Drive (Optional)	Anti-vibration 3.5" IDE Hard Disk Drive, 3.5" Floppy Disk Drive, Slim CD-ROM
Membrane Keypads	One with 59 data-keys, one with 12 function keys and 12 programmable function keys
Keyboard/Mouse Connector	PS/2 connector on front panel
Expansion Slot	PCI x 4 or ISA x 4 and PICMG x 2
Power Supply	Universal 300W with Power Factor Correcting switching power supply
OS Support	MS DOS, Windows® 2000, Windows® XP
Mechanical	
Construction	Aluminum alloy front panel and heavy-duty steel chassis
Front Panel Color	RAL-7305
Dimension	19" (W) x 14" (H) x 8.8" (D) (483mm x 355mm x 225mm)
Carton Dimension	24.4" (W) x 15.1" (H) x 20.2" (D) (620mm x 385mm x 513mm)
Gross Weight	57.3 lb (26 Kg)
Environmental	
Operating Temperature	32°F ~ 122°F (0°C ~ 50°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Humidity	5 to 90%, non-condensing
Vibration	1G / 5 ~ 500Hz (Random) / operation
Shock	15G peak acceleration (11 msec. duration) / operation
EMC	CE/FCC Class A
TF-SBC-780 CPU Card Companion	
CPU	Supports Socket 370-based Intel® Pentium® III and Celeron® up to 1.4GHz (FSB 66/100/133MHz); VIA C3 processor
Memory	168-pin SDRAM DIMM x 2, Max. 2GB (PC 66/100/133)
LCD/CRT Controller	VIA VT8606 onboard VGA controller, shared memory up to 32MB. CRT & LCD simultaneous display support
Ethernet	Realtek 8139DL 10/100 Base-TX RJ-45 connector x 2
I/O Port	2 serial ports: RS-232 x 1, RS-232/422/485 x 1 Parallel port x 1 (supports ECP/EPP) PS/2 keyboard and mouse interface x 1
TF-FSB-860B CPU Card Companion	
CPU	Supports Socket 478-based Intel® Pentium® 4/ Celeron® processor up to 3.06GHz (FSB 400/533MHz)
Memory	Supports up to 2GB SDRAM (184-pin 2.5V DDR SDRAM DIMM x 2)
LCD/CRT Controller	Intel® 845GV onboard VGA controller, shared memory up to 32MB DVMT. Supports CRT & LCD simultaneous display
Ethernet	10/100 Mb or 10/100/1000 Mb LAN Optional, RJ-45 x 2, Intel® 82562ET, Intel® 82551 QM/ 82541GI Controller
I/O Port	2 serial ports: RS-232 x 1, RS-232/422/485 x 1 Parallel port x 1 (supports ECP/EPP) PS/2 keyboard and mouse interface x 1

## Dimension Unit: mm



Power Supply	
AC Model	Input : 100 ~ 240V AC Full Range, 47-63Hz Output: +5V@30A, -5V@0.5A, +12V@18A, -12V@1A, 3.3V@15A, +5V@2A
LCD	
Display Type	15" color TFT LCD
Max. Resolution	1024 x 768
Max. Colors	262K
Dot Size	0.297mm x 0.297mm
Luminance (Typical)	250 cd/m <sup>2</sup>
Viewing Angle	150°(H) / 125°(V)
Brightness Control	Yes
Back Light MTBF (Hours)	50,000
Touchscreen (Optional)	
Type	8-wire, Analog Resistive
Resolution	2048 x 2048
Light Transmission	75%
Lifetime	1 million activations
OS Support	MS DOS, Windows® 2000, Windows® XP

## Ordering Information

- **AMB-2450HT-E1**  
15" TFT LCD, 10-slot Backplane, 300W ATX AC Power Supply, Floppy Disk Drive, CD-ROM
- **AMB-2450HTT-E1**  
AMB-2450HT-E1 with Resistive Touchscreen

## Assembly Suggestion

- **TF-FSB-860B Series**  
Intel® Pentium® 4 PICMG Full-size SBC
- **1759200155**  
CPU Cooler for TF-FSB-860B Series