

ICS-480V

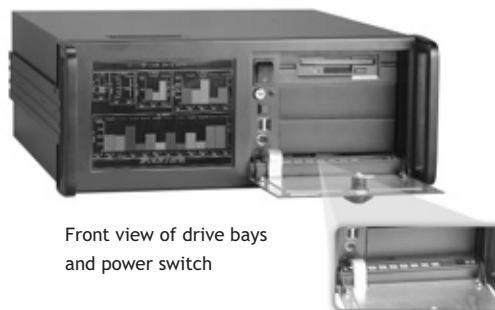
8.4" 4U Industrial LCD Workstation with 14 PCI/ISA Slots



Top view with 14-slot backplane

Features

- 8.4" TFT flat panel
- Industrial standard 4U height 19" rackmount chassis
- VGA A/D board compatible with all full-size & half-size SBC
- Built-in front accessible USB ports
- High computing power with Intel® Pentium® / Celeron® / Pentium® III, and Pentium® 4 processors
- Membrane keypads with 12 function keys and 65 data entry keys



Front view of drive bays and power switch

Introduction

The ICS-480V is a 14-slot 4U Rackmount Workstation with a 8.4" LCD display and a front panel function & data-entry keypad. This workstation is a cost-effective Industrial Automation Controller. The ICS-480V is available with several backplane combinations and power supplies, which can be applied to a variety of applications. The built-in VGA A/D board ensures that the system is compatible with a variety of Single Board Computers from most vendors. The front panel OSD controller allows users to move the LCD into the best optimal position for any

environment. To enhance the system for easy maintenance and upgrade, two USB ports, 12 function keypad & 65 data-entry keypad have been built-in to the front panel. The air filter is located on the external top-cover, which minimizes system down time for air filter replacement. This industrial-grade workstation can be applied to a variety of industrial projects, such as transportation, factory automation, environmental surveillance, and more.

Specifications

Construction	Heavy-duty steel		Front Panel Controls	Power, reset switches and key-lock
Flat Panel Display	Display Type	8.4" TFT LCD active matrix	Front Panel LED	Power LED & HDD LED
	Resolution	800 x 600	Front Panel I/O	Two USB, one keyboard/mouse port
	Brightness (cd/m ²)	150 cd/m ²	Pre-punched Panel	2 x 9-pin; 1 x 25-pin on rear
	Contrast Ratio	250:1	System Board	PICMG Interface
	Viewing Angle (H/V)	120° / 80°	Selections	SBC81205
	Backlight MTBF	20,000 hours	Speaker	One 0.25W speaker
Drive Capacity	Exposed 3 x 5.25" and internal 1 x 3.5" drive		Dimensions	482.6 mm (19") (W) x 426.5 mm (16.8") (D) x 177 mm (7") (H)
Cooling	1 x 12 cm ball bearing fan		Weight (net/gross)	20.33 kg (44.82 lb)/21.83 kg (48.14 lb)
Data Entry	Sealed membrane programmable keypads - 65 data-entry keys - 12 function keys		Environment	Operating temperature: 0°C - +50°C (32°F - 122°F) Relative humidity: 10 - 95% @ 40°C, non-condensing Operation vibration: 1.0 G, 5 - 500 Hz, random

Ordering Information

ICS-480V-R	8.4" industrial LCD workstation w/ resistive touch screen
ICS-480V-G	8.4" industrial LCD workstation w/ tempered glass

*Specifications and certifications are based on options and may vary.

Power Supply Options

Items	Watt	Specifications		
		Input	Output	MTBF
PS300-XP2	ATX 300W (PFC)	Slide Switch (115V _{AC} /230V _{AC})	+5V @ 30/21.5A +12V @ 15A -12V @ 0.8A +3.3V @ 15/28A +5V _{SB} @ 2A -5V @ 0.3A	100,000 hours
PS400-XP2	ATX 400W (PFC)	AC 90-264V (Auto)	+5V @ 20A +12V1 @ 16A +12V2 @ 16A -12V @ 0.5A +3.3V @ 20A +5V _{SB} @ 2.5A	100,000 hours

Backplane Options

PICMG 1.0

Model	Slots per Segment (ISA/PCI/CPU)	Segment
ATX6022/13L	8/4/1	Single
ATX6022/14	9/4/1	Single
ATX6022/14G	1/12/1	Single
ATX6020/14	14/0/0	Single
ATX6022/14GP7	6/7/1	Single

PICMG 1.3

Model	Slots per Segment (ISA/PCI/PCIe/CPU)	Segment
FAB100	4/4/5/1	Single
FAB101	0/13/0/1	Single

Embedded Systems

Embedded Field Controllers

Embedded MicroBoxes

Industrial Barebone Systems

Industrial Chassis

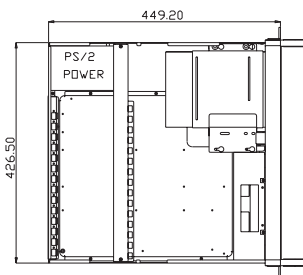
Industrial Workstations

Backplanes

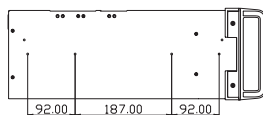
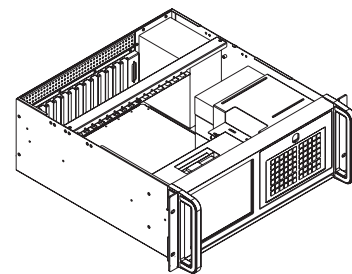
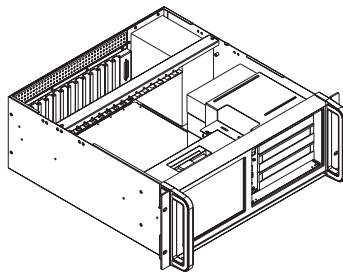
Power Supplies

Peripherals & Accessories

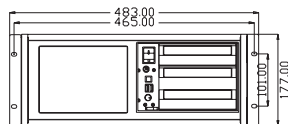
Dimensions



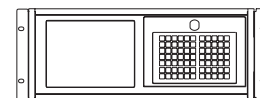
Top View



Left side view



Front inside view



Front outside view