ICS-480V

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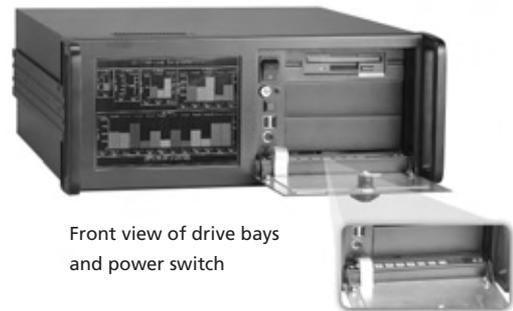

Top view with 14-slot Backplane

Features

RoHS

▶ **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 an 8.4" LCD display and a front panel function & data-entry keypad. This workstation is a fully-functional and cost-effective Industrial Automation Controller. The ICS-480V is available with several backplane combinations and power supplies, which can be applied to versatile 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 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 the system down time for air filter replacement. This ideal industrial-grade workstation can be applied to various industrial projects, such as transportation, factory automation, environmental surveillance, and more.

Specifications

Construction	Heavy-duty steel	
Flat Panel Display	Display Type	8.4" TFT LCD active matrix
	Resolution	800 x 600
	Luminance	150 cd/m²
	Contrust Ratio	250:1
	Viewing Angle	(H) 120˚, (V) 80˚
	Backlight MTBF	20,000 hours
Drive Capacity	Expose 3 x 5.25" and internal 1 x 3.5" drive	
Cooling	One 12cm ball bearing fan	
Data Entry	Sealed membrane programmable keypads - 65 data-entry keys - 12 function keys	

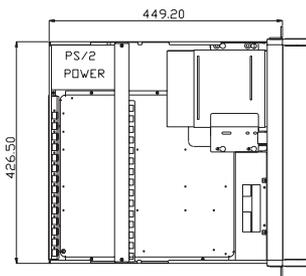| Front Panel Controls	Power, reset switches and key-lock	
Front Panel LED	Power LED & HDD LED	
Front Panel I/O	Two USB, one keyboard / mouse port	
Pre-punched Panel	2 x 9-pin; 1 x 25-pin on rear	
System Board Selections	ISA Interface	SBC82630
	PICMG Interface	SBC81822; SBC81613
Speaker	One 0.25W speaker	
Dimensions	482.6mm(19")(W) x 426.5mm(16.8")(D) x 177mm(7")(H)	
Weight	20.33 kg (44.82 lb)	
Environmental	Operation temperature: 0˚~50˚C (32˚~122˚F) Relative humidity: 10~95% @ 40˚C, non-condensing Operation Vibration: 1.0G, 5~500Hz, random	

* All specifications and photos are subject to change without notice.

Ordering Information

ICS-480V	8.4" Industrial workstation

Models	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

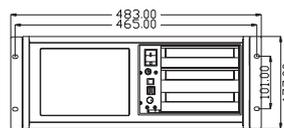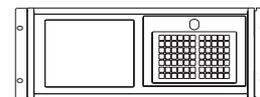| Watt	Input	Output	MTBF	Safety
300W AT	AC 115V~230V	+5V @ 30A, -5V @ 1A +12V @ 10A, -12V @ 1A	100,000	UL/CSA
300W ATX(w/PFC)	AC 90V~260V	+5V @ 30A +12V @ 15A, -12V @ 0.8A	50,000	UL/CSA
250W AT	$19V_{DC} \sim 32V_{DC}$	+5V @ 25A, -5V @1A +12V @ 10A, -12V @ 1A	100,000	UL/CSA
250W AT	$40V_{DC} \sim 57V_{DC}$	+5V @ 25A, -5V @1A +12V @ 10A, -12V @ 1A	100,000	UL/CSA

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SBC Options

Single Board Computer Options

SBC81822VE	Socket 478 full-size SBC w/ Intel® 82845GV FSB 533MHz, 10/100 Fast Ethernet, 6 x USB V2.0 ports
SBC81613VE	Socket 370 Full-zise w/ VIA VT8606 FSB133MHz, 10/100 Fast Ethernet, 4 x USB 1.1 ports

* The ICS-480V compatible with all SBC with 9pin D-Sub VGA connector.

Accessory

GHA-FM01	5.25" to 3.5" HDD/FDD drive holder

Dimensions

Top View
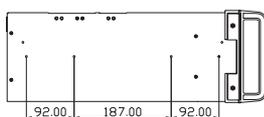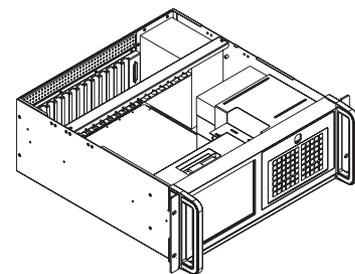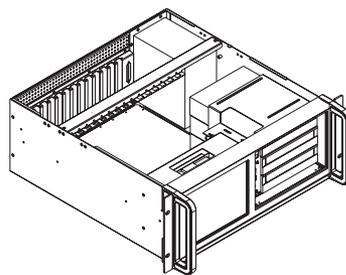
Left-Side View

Front in-side view

Front out-side view