

# ICS-410V

10.4" 5U Industrial LCD Workstation with 14 PCI/ISA Slots



Front view of drive bays and power switch



Top view with 14-slot backplane

## Features

- 10.4" TFT LCD workstation with 14 PCI/ISA slots
- VGA interface-compatible with all full/half-size CPU cards
- Easy-to-maintain: front accessible USB & PS/2 port
- Flexible 66 membrane keypad & 12 function key
- Two internal 3.5" HDD design: easy-to-backup data
- Supports backplane & ATX motherboard
- Supports resistive touchscreen

## Introduction

The ICS-410V is a 14-slot 5U Rackmount Workstation with a 10.4" LCD display, a front panel function and data-entry keypad. This workstation is a cost-effective Industrial Automation Controller. The ICS-410V is available with several backplane combinations and power supplies, which can be applied to various 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 & 66 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 various 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	10.4" TFT LCD active matrix	Front Panel I/O	Two USB, one keyboard/mouse port
	Resolution	800 x 600	System Board	PICMG 1.0 Interface   SBC81206VG
	Brightness (cd/m <sup>2</sup> )	230 nits	Selections	PICMG 1.3 Interface   SHB100VGGA
	Contrast Ratio	250:1	Dimensions	482.6 mm (19") (W) x 426.5 mm (16.79") (D) x 221.5 mm (8.7") (H)
	Viewing Angle	60/60/35/65 (L/R/U/D)	Weight (net/gross)	22.3 kg (49.16 lb)/23.8 kg (52.48 lb)
	Backlight MTBF	20,000 hours	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
Drive Capacity	Exposed 1 x 5.25" and 1 x 3.5" drive bay, internal 1 x 3.5" drive bay			
Cooling	One 12 cm ball bearing fan			
Data Entry	Sealed membrane programmable keypads - 66 data-entry keys - 12 function keys			

## Ordering Information

ICS-410V-R	10.4" industrial LCD workstation w/ resistive touch screen
ICS-410V-G	10.4" 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 <sub>AC</sub> /230V <sub>AC</sub> )	+5V @ 30/21.5A +12V @ 15A -12V @ 0.8A +3.3V @ 15/28A +5V <sub>SB</sub> @ 2A -5V @ 0.3A	100,000 hours
PS400-XP2	ATX 400W (PFC)	AC 90V-264V (Auto)	+5V @ 20A +12V1 @ 16A +12V2 @ 16A -12V @ 0.5A +3.3V @ 20A +5V <sub>SB</sub> @ 2.5A	100,000 hours

## Backplane Options

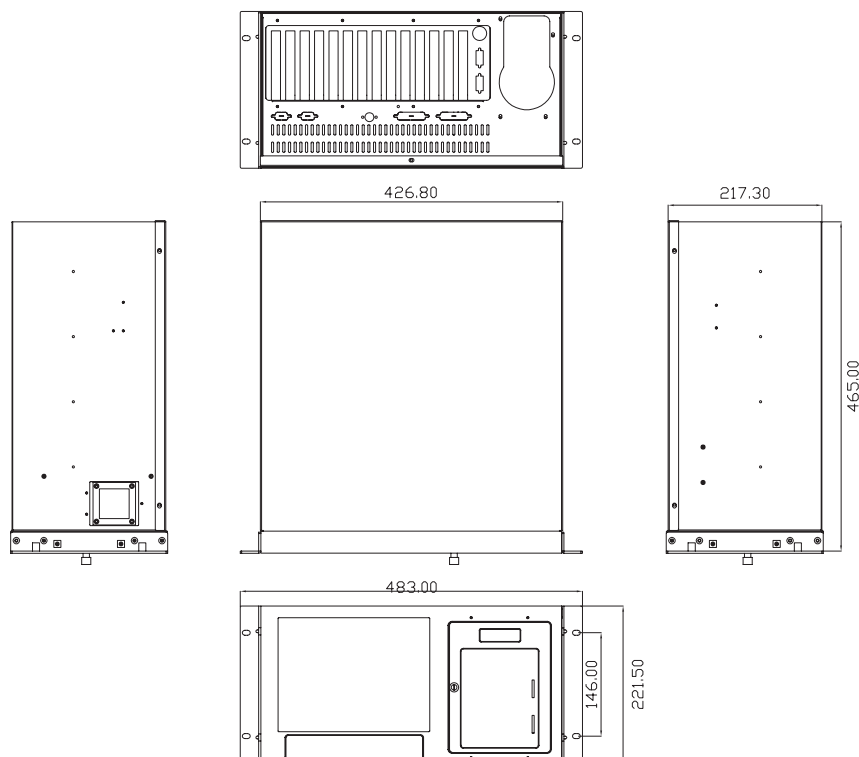
### PICMG 1.0

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
FAB114	0/8/4/1	Single

## Dimensions



Embedded Systems

Embedded Field Controllers

Embedded MicroBoxes

Industrial Barebone Systems

Industrial Chassis

Industrial Workstations

Backplanes

Power Supplies

Peripherals & Accessories