

ATM-4023

8-slot Industrial Automation Chassis with 6.4" LCD/4U, Front-access & Wiring



Features

- Compact all-in-one solution for automatic test stations
- 4U height 19" rackmount chassis with 6.4" TFT LCD display
- High-brightness color TFT LCD panel: 300 nits
- Quiet operation
- Integrated with Video A/D Board with VGA input
- 8-slot expansion passive backplane for half-sized card (8 PCI or 8 ISA)
- Front accessible, easy maintenance CD-ROM Drawer (Option)
- Front accessible USB, PS/2 Keyboard and Mouse I/O interface for easy plug-in
- OSD menu control for brightness adjustment

Introduction

ATM-4023 features a revolutionary design that is ideal for automatic test stations. At only 4U, the ATM-4023 has 8 front-accessible slots, a 6.4" high-brightness TFT color LCD display, 5 function keys, 5 cursor keys, and an optional slim type CD-ROM drawer. Various mounting kits, including a rackmounting and desktop kit are designed to fit different applications. ATM-4023 is designed to be an automatic testing platform for test and measurement equipment, but can also be suitable in transportation control stations, and industrial control. The front-accessible I/O design makes production test line changes quick, also ensures easy maintenance.

Specifications

General

- **Acoustic Noise** Less than 52 dB sound pressure at 5 ~ 28° C (41 ~ 82° F)
- **Button Controls** Front-accessible OSD control, reset and power switch
5 function keys, 5 cursor keys
- **Certifications** BSMI, CCC, CE, FCC
- **Chassis** Prepainted galvanized steel
- **Connectors** 2 x front-accessible PS/2 for keyboard and mouse
2 x front-accessible USB ports
- **Cooling System** 61.8 CFM (2 x 30.9 cooling fans) w/easy maintenance
- **Dimensions (W x H x D)** 482 x 173 x 265 mm (19" x 6.8" x 10.4"), 4U
- **Disk Drive Bay** 2 x front-accessible 3.5" CD-ROM
1 x slim type CD-ROM Drawer (optional)
- **LED Indicators** 1 x Power, 1 x HDD
- **Mounting** 19" Rack, desktop
- **Power Input**

Model Name	Watt	Input	Output	Mini-load	Safety
P1A-6250P	250 W	100/240 V _{AC} 6-3A 50/60 Hz	+5 V @ 24 A +3.3 V @ 20 A +12 V @ 12 A -12 V @ 1 A -5 V @ 0.5 A +5 Vsb @1.5 A	+5 V @ 3 A +12 V @ 2 A +3.3 V @ 1 A	UL 1950, CSA 22.2 NO/ 950, TUV IEC 950 FCC CLASS B, CISPR22 CLASS B

- **Weight** 12 kg (26.4 lb)

LCD Display

- **Backlight MTBF** 20,000 hours
- **Display Size** 6.4"
- **Display Type** TFT LCD
- **Luminance** 300 cd/m²

- **Max. Colors** 262k
- **Max. Resolution** 640 x 480
- **OSD control** Yes
- **Viewing Angle** 55 (H), 50(V)

Environment

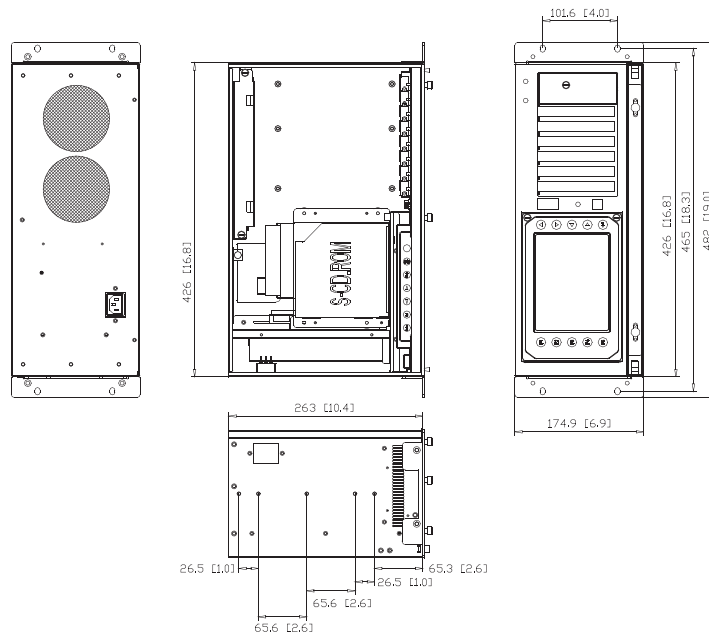
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -40~75° C (-40~167° F)
- **Humidity** 10 ~ 95 % @ 40° C, non-condensing
- **Operating Vibration** 1 Grms (5~500 Hz) (random)
- **Non-Operating Vibration** 2 G (5~500 Hz) (sine)
- **Package Vibration** 2.16 Grms (5~500 Hz)

Ordering Information

- **ATM-4023H0-25Z** 8 ISA slot Industrial Automation platform with 6.4" LCD /4U /Half Size/Front Wiring/ PCA-6108E (rev.C1) / 250 W
- **ATM-4023H8-25Z** 8 PCI slot Industrial Automation platform with 6.4" LCD /4U /Half Size/Front Wiring/PCA-6108P8 (rev.A1) / 250 W
- **ATM-4023H8-A1** 8 PCI slot Industrial Automation platform with 6.4" LCD /4U /Half Size/Front Wiring/PCA-6108P8 (rev.A1) / PCI-6872F-00A1 (P1II)/250 W
- **ATM-4023H8-A2** 8 PCI slot Industrial Automation platform with 6.4" LCD /4U /Half Size/Front Wiring/PCA-6108P8 (rev.A1) / PCI-6870F-00A1 (P1II)/250 W
- **ATM-4023H0-B1** 8 ISA slot Industrial Automation platform with 6.4" LCD /4U /Half Size/Front Wiring/ PCA-6108E (rev.C1) / PCA-6774F-02A1 (P1II)/250 W
- **ATM-4023H0-B2** 8 ISA slot Industrial Automation platform with 6.4" LCD /4U /Half Size/Front Wiring/ PCA-6108E (rev.C1) / PCA-6751-F0B2 (P266) /250 W

Dimensions

Unit: mm



Backplane Options

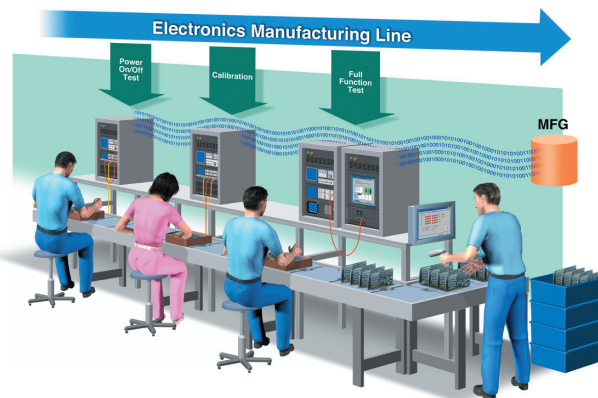
- **PCA-6872F-00A1** PCI Socket 370 Slot PC, VGA/LCD/LVDS/LAN/CFC
- **PCA-6870F-00A1** PCI Socket370 815E Slot PC VGA/82562/AUDIO/CFC2
- **PCA-6774-02A1** ISA Socket 370 Slot PC with VGA/LCD/LAN/CFC

Applications

ATM-4023 saves space and offers unparalleled convenience with its all-in-one solution for automated test stations. With front-accessible PCI and ISA slots, connections to test-station fixtures are convenient and can quickly be changed when the production line changes.

Accessories

- **9663402304** Slim-type CD-ROM kit with 40-pin IDE connector
- **9684000014** 3.5" FDD with black bezel



The 6.4" LCD screen offers enough space to display visual feedback to the operator for test results, and the front-accessible PS/2 port makes it easy to connect a mouse or keyboard so the operator can respond to test results.