

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

I-BUS / PHOENIX

I-Bus / Phoenix 105-00594-00 ISA-PCI Single Board Computer

The I-Bus / Phoenix 105-00594-00 is a single board computer that combines ISA and PCI bus architectures. This SBC offers a versatile platform for industrial and embedded applications, supporting legacy ISA cards alongside modern PCI devices.



MODEL

**I-Bus / Phoenix
105-00594-00**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

105-00594-00

LISTING

<https://aumictechlabs.com/products/105-00594-00-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The I-Bus / Phoenix 105-00594-00 is a Single Board Computer bridging legacy ISA and modern PCI bus architectures. It enables industrial and embedded applications to run both older ISA expansion cards and contemporary PCI devices within a unified platform, eliminating the need for separate legacy and modern systems. Technical Specifications Processor: 233 MHz RAM: 64 MB (expandable; memory may be user-installable) Bus Architecture: ISA and PCI Form Factor: Single Board Computer (SBC) Shipping Weight: 5 lbs per unit Key Features Dual-bus support allows simultaneous integration of ISA and PCI expansion cards Keyboard, mouse, and monitor ports for standalone operation or integration into larger systems Flexible memory configuration with expansion capability Available in used excellent condition and new surplus stock Typical Applications Legacy system modernization, industrial automation, embedded control platforms,

test and measurement environments, and systems requiring backward compatibility with installed ISA peripheral bases while adopting PCI technology. Compatibility & Integration Supports standard ISA legacy cards and PCI devices. Designed for industrial and embedded operating system environments compatible with ISA/PCI architectures. External PCI-to-ISA expansion solutions exist for systems requiring extended ISA backplane connectivity beyond the SBC's native slots.

10500594 Characteristics / Specifications

PARAMETER	VALUE
Model	105-00594-00
Instrument Type	ISA-PCI single board computer
Cpu Speed	233 MHz on documented Artisan 105-00594-00 configuration
Memory Tested	64 MB RAM on the tested Artisan configuration
Memory Surplus	surplus-new listing of the same SKU ships without memory
Keyboard Port	keyboard port on Artisan feature list
Mouse Port	mouse port on Artisan feature list
Monitor Port	monitor port on Artisan feature list
Memory Expansion	room to install additional memory on Artisan feature list
Sibling 6	105-00610-00 family sibling
Sibling 5	105-00593-00 family sibling
Bus	ISA plus PCI
Manufacturer	I-Bus / Phoenix
Literature	I-Bus / Phoenix 105-00594-00 ISA-PCI SBC listings
Family	I-Bus Phoenix ISA-PCI SBC
Form Factor	industrial single-board computer
System Role	embedded host CPU
Brand Lineage	I-Bus Phoenix
Queue Title	I-Bus / Phoenix 105-00594-00 ISA-PCI Single Board Computer
Documentation Type	OEM 105-00594-00 SBC listing
Use Case	industrial PC / instrument host
Vendor Path	I-Bus Phoenix
Chipset Class	chipset on the 105-00594-00 drawing
Cache Class	cache on the 105-00594-00 drawing
Bios Class	BIOS on the 105-00594-00 drawing

PARAMETER	VALUE
Connector Class	I/O connectors on the 105-00594-00 drawing
Ate Class	embedded host

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	105-00594-00
Instrument Type	ISA-PCI single board computer
Cpu Speed	233 MHz on documented Artisan 105-00594-00 configuration
Memory Tested	64 MB RAM on the tested Artisan configuration
Memory Surplus	surplus-new listing of the same SKU ships without memory
Keyboard Port	keyboard port on Artisan feature list
Mouse Port	mouse port on Artisan feature list
Monitor Port	monitor port on Artisan feature list
Memory Expansion	room to install additional memory on Artisan feature list
Sibling 610	105-00610-00 family sibling
Sibling 593	105-00593-00 family sibling
Sibling 592	105-00592-00 family sibling
Bus	ISA plus PCI
Manufacturer	I-Bus / Phoenix
Literature	I-Bus / Phoenix 105-00594-00 ISA-PCI SBC listings
Family	I-Bus Phoenix ISA-PCI SBC
Form Factor	industrial single-board computer
System Role	embedded host CPU
Brand Lineage	I-Bus Phoenix
Queue Title	I-Bus / Phoenix 105-00594-00 ISA-PCI Single Board Computer
Documentation Type	OEM 105-00594-00 SBC listing
Use Case	industrial PC / instrument host
Vendor Path	I-Bus Phoenix
Chipset Class	chipset on the 105-00594-00 drawing
Cache Class	cache on the 105-00594-00 drawing
Bios Class	BIOS on the 105-00594-00 drawing

PARAMETER	VALUE
Connector Class	I/O connectors on the 105-00594-00 drawing
Ate Class	embedded host

Notes

From I-Bus / Phoenix 105-00594-00 Artisan listings (233 MHz, 64 MB on the tested unit, keyboard/mouse/monitor ports). Surplus-new units of the same SKU may ship without RAM. Chipset and stepping are on the 105-00594-00 drawing.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.