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Data Sheet

August 15, 2026

ICPAMERICA / MCSI

ICPAmerica / MCSI IND-386SX Single Board Computer

The ICPAmerica/MCSI IND-386SX is a single board computer designed for industrial applications. It features a 386SX processor, providing a balance of performance and power efficiency. This SBC is suitable for embedded systems, control systems, and other applications requiring a compact and reliable computing platform.



MODEL

**ICPAmerica / MCSI
IND-386SX**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

IND-386SX

LISTING

<https://aumictechlabs.com/products/ind-386sx-e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The ICPAmerica/MCSI IND-386SX is a half-size PC/XT form factor single-board computer engineered for industrial embedded control and applications where conventional desktop systems are unsuitable. Built around an AMD or Intel 80C386SX processor running at 25 MHz, it delivers PC/AT compatible architecture within a compact footprint while operating from a single +5 VDC supply at 4.0 watts maximum. Technical Specifications Processing & Memory CPU: AMD or Intel 80C386SX @ 25 MHz Optional co-processor: 80C387SX or Cyrix 87SLC numeric co-processor (68-pin PLCC socket) System RAM: 512 KB DRAM (one bank of 256 K×16, configurable via four 256 K×4 DRAMs, 70 ns max access time) PROMDISK Disk Emulator: 4 MB capacity with eight 32-pin JEDEC standard byte-wide sockets supporting EPROMs, FLASH EPROMs, NVRAMs, and

SRAMs; three socket groups allow mixed chip types or single-drive configuration I/O & Interfaces I/O Bus: P1/P2 98-pin edge connector with DMA request (DRQx) and acknowledge (DACKx/) lines; Reset input on pin B16 Real-Time Clock: MC146818 equivalent with 128 bytes CMOS RAM (14 bytes clock/calendar, 114 bytes BIOS) On-board lithium battery for RTC backup Parallel Printer Port: IBM PC/AT compatible, configurable as standard, 8-bit bi-directional, or disabled; twelve buffered outputs and five status inputs Serial Ports: Dual 16C550 compatible RS-232; Serial Port 2 configurable as RS-232 or RS-422/485 Floppy Disk Port: Supports up to two 3.5" or 5.25" drives up to 2.88 MB IDE Hard Disk Port AT (PS/2) compatible keyboard and mouse ports System Firmware BIOS: AMI with Internal Setup utility (ASETUP.EXE) Key Features Compact half-size form factor for space-constrained installations Single +5 VDC supply minimizes power distribution complexity Flexible memory socket configuration for mixed device types Battery-backed real-time clock with 128 bytes CMOS storage Multiple serial port configurations supporting RS-232, RS-422, and RS-485 PC/AT software compatibility via AMI BIOS Typical Applications Industrial control systems, embedded computing platforms, process automation, and equipment requiring PC/AT compatible architecture in confined spaces. Compatibility & Integration MS-DOS and IBM PC/AT compatible software architecture. Standard 98-pin edge connector enables integration into backplane systems. Dual serial ports with protocol flexibility support legacy and modern industrial networking schemes.

IND386SXE Characteristics / Specifications

PARAMETER	VALUE
Model	IND-386SXE
Instrument Type	Single board computer
Cpu Class	Intel 386SX embedded
Architecture	PC/AT compatible industrial SBC
Manufacturer	ICPAmerica MCSI
Literature	ICPAmerica/MCSI IND-386SXE SBC listings
Family	MCSI IND 386 SBCs
Brand Lineage	MCSI ICPAmerica
Form Factor	industrial single board computer
System Role	embedded system CPU
Bus Class	ISA / PC/AT class
Memory Class	onboard DRAM/flash class on IND-386SXE
Io Class	serial/parallel class on MCSI 386 SBCs
Bios Class	industrial PC BIOS
Documentation Type	OEM IND-386SXE listing
Vendor Path	ICPAmerica MCSI
Year Class	386SX industrial
Application Class	embedded control
Clock Class	386SX clock as on the IND-386SXE marking
Coprocessor Class	per IND-386SXE configuration
Watchdog Class	industrial SBC watchdog class where fitted
Power Class	per IND-386SXE power pins
Operating Temperature Class	industrial SBC listing
Operating temperature	Class: industrial SBC listing

IND386SXE Specifications

PARAMETER	VALUE
Applications	Embedded industrial control and ISA-bus system CPU in PC/104 or passive-backplane class machines of the 386SX era.
Key Features	386SX industrial SBC
Technical Specifications	Model: IND-386SXE

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: industrial SBC listing
Operating Temperature	Class: industrial SBC listing
Operating Temperature Class	industrial SBC listing Notes Identity from ICPAmerica/MCSI IND-386SXE SBC listings. CPU MHz, DRAM size, and I/O map are on the IND-386SXE hardware reference and are not guessed here.

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	
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Notes	
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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

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