ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

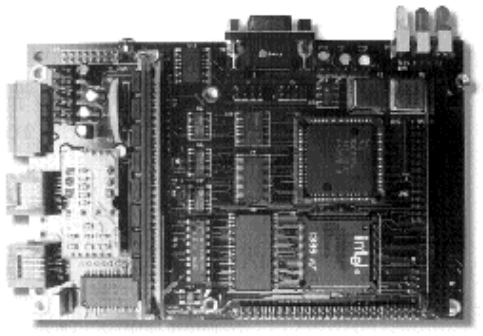
Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Broadband Energy Networks / Coactive CA386-N1* at our website: *Click HERE*

CA386-N1

Embedded PC with LonTalk Interface



- Based on the Intel i386EX running at 25MHz
- Neuron Chip running MIP
- Free Topology, 78K, or 1.2M Twisted Pair Transceiver
- RAM Expandable to 4MB
- 512K Flash EPROM
- 8/16 Bit PC/104 Bus
- 8 Digital I/O
- 3 Counter / Timers
- RS-232 and RS-485 Serial Ports
- Battery Backed Real Time Clock
- Single 5V Power Supply

Networked Embedded PC

The Coactive CA386-N1 pairs the powerful Intel i386EX embedded PC microprocessor with the Echelon Neuron Chip as a communications coprocessor. The i386EX is a fully embedded PC-compatible platform, allowing development using any of the many available standard PC development tools. The CA386-N1 comes standard with programming utilities and DOS installed in Flash, and Echelon's MIP installed on the Neuron Chip.

Full Access to LonWorks

The Neuron Chip, running Echelon's Microprocessor Interface Program (MIP), provides full access to the LonWorks environment. The MIP interface provides access to the upper layers of the LonTalk protocol, allowing user applications to read and

Specifications

Processor

- 25MHz Intel i386EX

Memory

- 256K, 1M, or 4M DRAM
- 512K Flash EPROM

Communications

- Neuron Chip with MIP firmware
- Free Topology, 78K, or 1.2M twisted pair LonTalk transceiver

write LonTalk messages and Network Variables (NVs). Using Coactive's Hosted Node SDK, developers can create powerful and fully interoperable embedded LonWorks nodes with minimal effort. Applications using the CA386-N1 may use up to 4096 NVs. The CA386-N1 can be configured with the FTT-10, TPT/XF-78, or TPT/XF-1250 transceiver for baud rates of up to 1.25 Mbps or distances up to 2000m.

Expandable I/O and Peripherals

The CA386-N1 provides two serial ports, 8 digital I/O lines, and 3 counter/timers. In addition, a full 8/16-bit PC/104 bus allows direct interfacing to a large variety of industry standard I/O and peripheral cards. A battery backed real time clock is also available on the board.

- 1 RS232 asynchronous serial port
- 1 RS232/RS485 serial port

I/O

- 8 digital TTL input/outputs
- 3 programmable counter/timers

Other Resources

- Battery backed real time clock

Expansion

- 8/16-bit PC/104 bus

Power Requirements

- 500mA @ 5VDC

Operating Temperature

- 0 - 70 C

Physical Dimensions

- 4.0" x 6.25" (10.2 x 15.9 cm)

Ordering Information

CA386-N1-MMM-TTT-RTC

Embedded 386 PC with LonTalk Interface

MMM - RAM option: 256=256K, 001=1M, 004=4M, 000=omit

TTT - Transceiver option: 078=TPT/XF-78, 125=TPT/XF-1250, FTT=FTT

RTC - Battery backed real time clock: RTC=install, <blank>=omit

---

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP