

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.

**Visit our website - *Click HERE***

# Simple IP Modules

These modules provide simple I/O interfaces for embedded systems

## IP-MEM — Memory expansion module — 30900

Flier top

The IP-MEM is a flexible memory expansion IP module which allows either ROM, Flash or RAM memory expansion over the IP bus using JEDEC compatible devices. Using two memory banks which can be individually populated the IP-MEM can provide up to 4 Mbytes of storage.

- Memory expansion
- 4 32 pin JEDEC sockets
- 2 seperate banks
- ROM, FLASH or RAM



## IP-MEM+ — The IP-MEM engineering kit — 30901

top

First time users should purchase the IP-MEM engineering kit in order to qualify for support.

- IP-MEM
- Floppy disc with software
- Instruction manual

## IP-24VIN (1KHz) — IP-24VIN (1KHz) — 40500

Flier top

The IP-24VIN is an 8 bit I/O addressed class 1 IP module. The module provides the complete signal conditioning and opto isolation for the 32 inputs. Each group of 4 inputs share one ground. The module is ideally suited for industrial control and event driven systems. Each input can be individually programmed to produce a change of state interrupt.

- 8 bit I/O mode
- 32 24VDC inputs
- Input filtering (1 KHz)
- Interrupt driven
- COS detection on all inputs
- 500VDC isolation



## IP-24VIN (1KHz)+ — IP-24VIN (1KHz) + engineering kit — 40501

top

First time users should purchase the IP-24VIN engineering kit in order to qualify for support.

- IP-24VIN (40500)
- Floppy disc with software
- Instruction manual
- Cable
- I/O test board

## IP-24VIN (2KHz) — IP-24VIN (2KHz) — 40502

Flier top

This input module is exactly

- IP-24VIN

the same as the IP-24VIN part no 40500 except that the input filtering has been set to 2KHz instead of 1 KHz.



## IP-24VIN (no filter) — IP-24VIN (no filter) — 40503

Flier top

This input module is exactly the same as the IP-24VIN part no 40500 except that there is no input filtering implemented.

- IP-24VIN



## IP-24VIO — IP-24VIO Opto isolated input/output module — 40510

Flier top

The IP-24VIO is an 8 bit I/O addressed class 1 IP module. The module contains the complete signal conditioning and opto isolation circuits for 16 inputs and the 8 outputs. The module is ideally suited for industrial control and event driven systems. Each input can be individually programmed to produce a change of state interrupt.

- 8 bit I/O mode
- 8 24VDC short circuit protected outputs at 200 mA
- 16 24VDC inputs
- COS on all inputs
- Input filtering (1 KHz)
- 200 mA current
- 500VDC isolation



## IP-24VIO+ — The IP-24VIO engineering kit — 40511

top

First time users should purchase the IP-24VIO engineering kit in order to qualify for support.

- IP-24VIO
- Floppy disc with software
- Instruction manual
- Cable
- I/O test board

## IP-24VOLP — IP-24VOLP Opto isolated low power output module — 40520

Flier top

This is a 16 channel high side switch output module, which is short circuit and over temperature protected. The output switches are also suitable for inductive loads. Output current is limited to about 200 milliamp, but depends slightly on the operating voltage. The module provides 16 completly separate switch circuits each with its own supply input, switch output and return.

- 8 bit I/O mode
- 16 24VDC outputs
- Short circuit protection
- Over temp. protection
- 16 independent switches
- 200 mA current
- 500 VDC isolation



## IP-24VOLP+ — The IP-24VOLP engineering kit — 40521

top

First time users should purchase the IP-24VOLP

- IP-24VOLP
- Floppy disc with software

engineering kit in order to qualify for support.

- Instruction manual
- Cable
- I/O test board

## IP-24VOHP — IP-24VOHP Opto isolated high power output module — 40540

Flier top

This is a 16 output high side switch module which is short circuit and over temperature protected. The output switches are also suitable for inductive loads. Output current is limited to about 700 milliamps, but depends slightly on the operating voltage. The outputs are arrranged in 4 groups of 4. Each group with its own supply input, switch outputs and common return.

- 8 bit I/O mode
- 16 24VDC short circuit protected outputs at 700-1000 mA
- 4 independent switchgroups
- 500VDC isolation
- Optional Alarm



## IP-24VOHP+ — The IP-24VOHP engineering kit — 40541

top

First time users should purchase the IP-24VOHP engineering kit in order to qualify for support.

- IP-24VOHP
- Floppy disc with software
- Instruction manual
- Cable
- I/O test board

## IP-CIO — IP-CIO Opto isolated input/output module — 40550

top

The IP-CIO is a class 3 double sided IP module that is designed for I/O intensive operations. It provides 16 digital inputs and 16 digital outputs. A unique aspect of this module is the 32 leds mounted on top of the module and the pattern matching change of state detection. This module is ideal for industrial automation.

- 8 bit I/O mode
- Class 3 Module
- 16 24VDC inputs
- 16 24VDC outputs at 700-1000 mA
- LED Indication on all I/Os
- COS on inputs



## IP-CIO+ — IP-CIO engineering kit — 40551

top

First time users should purchase the IP-CIO engineering kit in order to qualify for support.

- IP-CIO
- Floppy disc with software
- Instruction manual
- Cable
- I/O test board

## IP-SANA — Simple 8 channel analogue input/output module — 40600

Flier top

This is a simple low cost analogue input module which provides 8 12 bit analog inputs.

- 16 bit I/O mode
- 4-16 12 bit inputs
- 100 Ksps ADC

Input voltage level is 0-2.5 volts FSD. Single ended or differential connections are supported. The ADC channels can be individually selected, programmed and scanned.

- Self calibrating
- User programmable
- 0-2.5V input and output range



## IP-SANIO+ The IP-SANA family engineering kit 40601

top

First time users should purchase the IP-SANIO engineering kit in order to qualify for support.

- IP-SANIO
- Floppy disc with software
- Instruction manual
- Cable
- Connecting block

## IP-SANIO The IP-SANIO 16 analog in / 4 analog out 40602

top

This is a simple low cost analog I/O module which provides 16 12 bit analog inputs and 4 12 bit analog outputs. Input and output voltage levels are 0-2.5 volts FSD. Single ended or differential connections are supported. The ADC inputs can be individually selected and programmed.

- 16 12 bit analog inputs
- 4 12 bit analog outputs
- Dual 100 Ksps ADC
- Self calibrating
- User programmable
- 0-2.5 vdc input and output



# Intelligent IP Modules

These modules have a local CPU and provide local data processing or filter for the I/O devices

## IP-302-com 68302 20MHz communication module 10700

top

This is a 68302 based IP module with 256 Kbyte shared Flash memory and 256 Kbyte shared RAM. The Flash can be programmed over the IP bus. It is ideally suited for using as a co-processor where parts of the application are downloaded to the module. Three serial ports are provided with drivers. 2 are of type RS422 and the other is RS232.

- 68302 MCU
- 3 Serial Ports
- Optional drivers
  1 @ RS232
  2 @ RS422
- 256 Kbyte shared RAM
- 256 Kbyte shared FLASH



## IP-302-com+ IP-302 engineering kit 10701

top

First time users should purchase the IP-302 enginering kit in order to qualify for support. This engineering kit includes source code to a simple test and debug program.

- IP-302-com
- Floppy disc with software
- Instruction manual

# Network IP Modules

## IP-CAN — High performance CAN network controller — 20100

Flier top

The IP-CAN is a memory addressed class 1 IP module with 2 Kbyte of dual ported memory between the IP bus and the local CPU. This dual ported memory has bi-directional mail box interrupts allowing fully interrupt driven data transfer. The 80C166 cpu is fast enough to handle the CAN bus at 1 Mbps. The standard firmware provides level 2 CAN network features. The source code included in the engineering kit allows easy implementation of other protocols.

- 80C166 cpu
- 2Kb dual ported mem
- Phillips CAN controller SAJxxx
- ISO/DIS 80C250 PHY
- 128 Kbyte local flash memory
- 32 Kbyte local RAM



## IP-CAN+ — The IP-CAN engineering kit — 20101

top

First time users should purchase the engineering kit in order to qualify for support. This engineering kit includes the source code to the module firware and the possibility of using the 80C166 serial port 0.

- IP-CAN
- Floppy disc with source code
- Instruction manual
- MIO-MOD (CAN)
- 50 polige cable

## IP-ENET — Ethernet controller with TCP/IP — 20200

Flier top

The IP-ENET is a complete Ethernet subsystem on a single width class 3 IP module. The TCP/IP protocol is implemented in the local firmware as well as a simplified socket interface and several utilities. This product is intended for real time applications which have a requirement for a low overhead tcp/IP solution. The IP-ENET does not have a high data bandwidth. It does not handle cloning server sockets. It is optimised for single socket connections.

- 80C166 cpu
- 256 Kbyte shared memory
- AMD MACE ethernet MAC
- Local tcp/ip firmware
- 10 base T interface
- 15 pin AUI interface
- FP-ENET transition module



## IP-ENET+ — The IP-ENET engineering kit — 20201

top

First time users should purchase the IP-ENET engineering kit in order to qualify for support. This engineering kit does not contain the source code to the firmware. It provides the source code to drivers and examples.

- IP-ENET
- Floppy disc with software
- FP-ENET transition module
- Cable

## IP-ENET DEV KIT — The IP-ENET TCP/IP development kit — 20202

top

This development kit contains the complete source code to the IP-ENET firmare. It can be immediately compiled by the TASKING complier for the 80C166 family. The source code is complex and contains a kernel, the tcp/IP protocol, a socket manager layer and a telnet client and server. This is an ideal building block for adding applications to the IP-ENET.

- IP-ENET module
- tcp/IP sourcecode floppy
- FP-ENET
- IP-ENET manual
- Eng kit floppy.

## MIO-MOD(can) — MIO-MOD for IP-CAN — 60102

top

This is a 6U frontpanel with 9 pin sub D connectors suitable for use with the IP-CAN. It connects to the IP module via a 50 pin ribbon cable.

- Sub D 9 connectors



## FP-ENET — 4TE 6U frontpanel for IP-ENET — 60700

top

A 6U frontpanel with a 15 pin AUI connector and a 10 Base T connector for use with the IP-ENET. It connects to the IP-ENET via a 50 pin ribbon cable.

- 10 base T connector





Last update:
October 4, 1999

**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