

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.

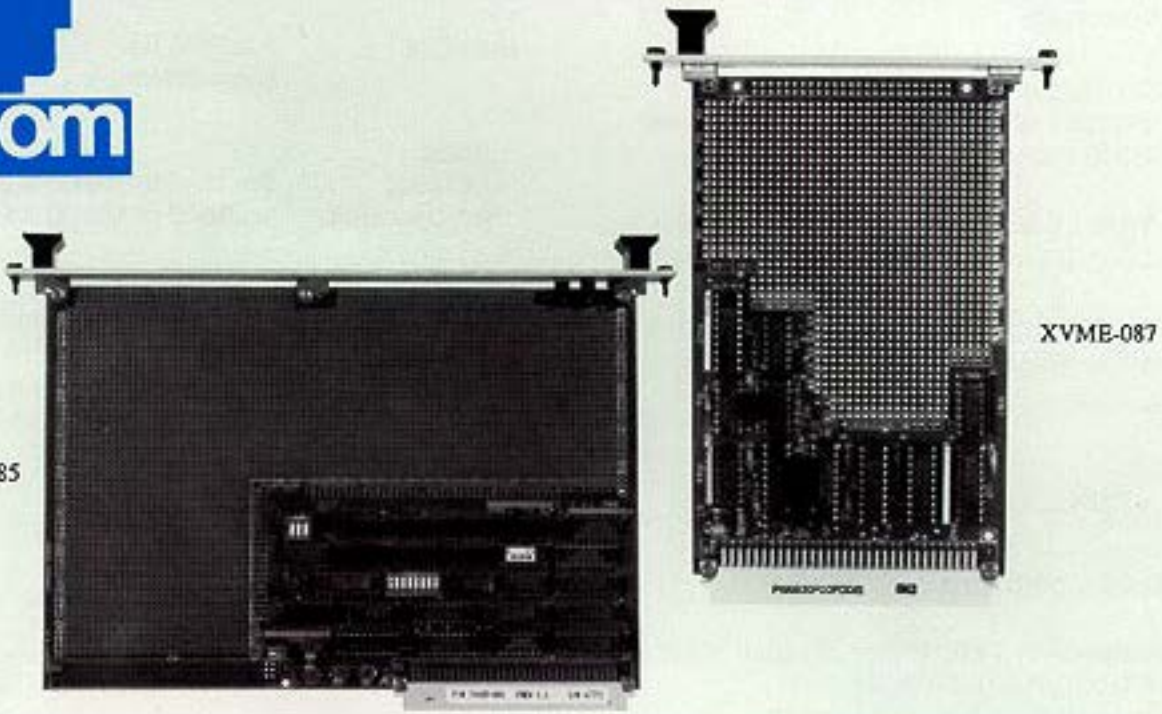
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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

Find the *Acromag / Xembedded / Xycom XVME-085* at our website: ***Click HERE***

XVME-085/087
Prototyping Modules



XVME-085

XVME-087

Features

- Supports all signals needed to implement:
  - Timing generation
  - Data, address, and control buffers
  - VMEbus interrupter support
  - Jumper/Switch selectable address decode circuitry
- Implements Xycom Standard I/OArchitecture
  - Module ID
  - Status/control register
  - Module status LEDs
- Prototype wiring grid
- Simple applications circuit interface

Applications

- Parallel interface
- Proprietary interface
- Motion controller (resolver interface)
- Low-volume production of special application VMEbus modules

Overview

The XVME-085 and 087 Prototyping Modules are powerful, yet inexpensive, prototyping modules for use on the VMEbus. You get all of the necessary circuitry to generate all of the signals required by the VMEbus specification for 8- and 16-bit slaves. By adding application circuitry, you can design your own VMEbus slave module.

The heart of the XVME-085 and 087 Prototyping Modules is the Non-Intelligent Kernel (NIKL). This is a proven design that Xycom uses in its standard non-intelligent VMEbus I/O modules. The modules provide for either a 35.5 inch (XVME-085) or 11.5 inch (XVME-087) grid prototyping area suitable for wire wrapping of prototyping components.

Hardware Specifications

Prototyping Area	085	087
Square inches	35.5	11.5
14-pin equivalents	75	32
Percentage	72	68

Access Time (to DTACK)	
Interrupt acknowledge	425 nsec max.
DS to DTACK	458 nsec max.
Write cycle	665 nsec max.
DS to DTACK	333 nsec max.
Read cycle	535 nsec max.
DS to DTACK	333 nsec max.

Power

+5VDC, 700 mA typ.

VMEbus Compliance

- Complies with VMEbus Specification IEEE 1014
- A16:D16/D08(E0) DTB Slave
- Interrupter - I(1)-I(7)(DYN) ROAK
- Interrupter Vector - D08(O)
- Utility Signal -SYSFAIL
- Form Factor: SINGLE
  165.1 mm x 100.1 mm
  (6.5 in x 3.94 in)
  Form Factor: DOUBLE
  233.35 mm x 160 mm
  (9.2 in x 6.3 in)

Warranty Information

The XVME-085 and 087 carry a two-year warranty.

Environmental Specifications

Temperature	
Operating	0° to 65° C (32° to 149° F)
Non-operating	-40° to 85° C (-40° to 158° F)
Humidity	5 to 95% RH non-condensing
Altitude	
Operating	Sea level to 10,000 ft (3048m)
Non-operating	Sea level to 50,000 ft (15,240m)
Vibration	
Operating	.015 in p-p displacement 2.5g peak (max) acceleration
Non-operating	.030 in p-p displacement 5.0g peak (max) acceleration
Shock	
Operating	30 g peak acceleration, 11 msec duration
Non-operating	50 g peak acceleration, 11 msec duration

Ordering Information

XVME-085: 6U VMEbus Prototyping Module

XVME-087: 3U VMEbus Prototyping Module

Note: For Prototype Debugging, use the Xycom XVME-090 Extender Module

XYCOM INC
750 North Maple Road, Saline, Michigan 48176
Phone: (313) 429-4971 TWX 810-223-8153
Call toll-free outside of Michigan: 1-800-AT-XYCOM

XYCOM ASIA
Rm. 903, Kowloon Center, 29-39 Ashley Rd.
T.S.T. Kowloon, Hong Kong
Phone: 852 3 311 7855 Telex: 780 33652 ALSITHX

XYCOM EUROPE LTD
6 Scirocco Close
Northampton NN3 1AP England
Phone: +44 604 790767 TWX: 9312102198 XEG

XYCOM CANADA LTD
461 N. Service Rd., W. Unit B5
Oakville, Ontario L6M 2V5 Canada
Phone: (416) 825-0281 FAX (416) 825-0282

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