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 *Kontron / Thales / Cetia MD-CPU330* at our website: *Click HERE*

MD-CPU330
MX-CPU330
MR-CPU330

MC68030 CPU
25 MHz
1 to 8 MB DRAM

- MC68030 at 25 MHz
- Optional MC68882 at 25 MHz
- 1, 2, 4, or 8 MB Dual-Accessed DRAM with Express Memory Architecture
- Sockets for up to 1 MB ROM/EPROM
- Battery-Backed Clock/Calendar
- 32 KB of Battery-Backed SRAM
- Dbus-68 Expansion Bus
- Two Serial Ports Using SCN68562 DUSCC
- Two 16-Bit Programmable Timers
- Interrupt Handler for all Seven VMEbus IRQs
- Four Mailboxes in Short I/O Space
- Watchdog Timer with Software Enable
- Time-Slice Generator with Selectable Periods
- System Controller Jumper Enabled
- Fair, ROR Requester with BCAP
- Hardware-Synchronized Local Reset for Multiprocessing Applications
- Front Panel Software-Readable Hex Switch
- Multicolor Front Panel Status Light
- Programmable Control and Status Registers
- Industrial, Extended Temperature, and Rugged Versions Available
- MR-CPU330 Designed to Meet MIL-STD-810E Vibration and Shock Methods 514.4 & 516.4

Multifunction CPU for Real-Time Applications

Designed for stand-alone or distributed real-time applications, the CPU330 is a fast, flexible, and economical real-time processor. The high-speed MC68030 processor operates at 25 MHz. Supporting up to 8 MB of DRAM and a block transfer rate greater than 22 MB/s, the CPU330 easily accommodates applications requiring high-speed data transfers. Utilizing MATRIX Corporation's Express Memory Architecture, the board's memory refresh overhead is cut by 51% over standard memory architecture designs. The dual-accessed DRAM has software-selectable VMEbus addressing. The queued refresh scheme and the support of cache burst fill requests (4-2-2-2) are standard.

Fully Featured

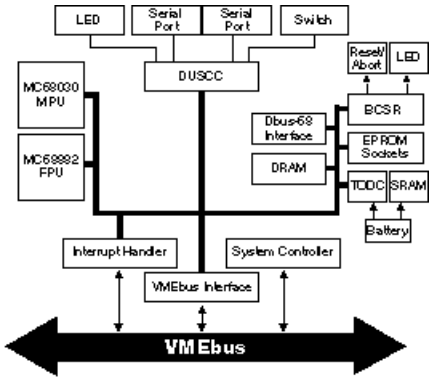
Two serial ports controlled by the SCN68562 communications controller allow access to peripherals over standard EIA-232/422 protocols. Control and status registers are programmable by software. The SRAM (32K x 8) is battery-backed as is the time-of-day clock/calendar (TODC). The interrupt handler responds to all seven VMEbus IRQs, ACFAIL, SYSFAIL, and local interrupts with software-controlled masks and real-time status sense. The time-slice generator has four selectable periods: off, 1, 10, and 20 ms.

Flexibility

The CPU330's daughter board interface uses the public domain Dbus-68 standard to simplify the design of application-specific daughter boards. The Dbus-68 features full 32-bit address and data paths and supports off-the-shelf daughter boards such as SCSI, serial, parallel, and Ethernet. The CPU330's flexibility is further enhanced by its software-programmable board configurations and status registers for address maps, interrupt control, and other on-board control.

Software Support

Real-time operating systems are supported by MATRIX and third-party resources. Contact MATRIX for assistance with software selection.



Click here to download this data sheet as an Adobe Acrobat PDF file.

Can't find what you're looking for? Contact us for engineering and design support.

Back to top

MATRIX Corporation • 1203 New Hope Road • Raleigh, NC 27610 • 1-800-848-2330

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

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