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 *Elma Type 39V* at our website: ***Click HERE***

VITA (VMEbus International Trade Association)

ELMA
Your Solution Partner

In 2004, the VXS (VME Switched Serial) architecture was created. VXS (VITA 41 family of specifications) adds a high-speed MultiGig connector over P0 of a VME64x backplane for serial data traffic. The same style of connector is also used for hub slots, driving the centralized fabric signals. VXS is fully backwards-compatible to VME. Designers have the flexibility of plugging in standard VME64x cards for parallel bus only, integrate the payload and switch cards for parallel bus and switch fabric transport or switch fabric transport only. The VXS specification allows for four differential serial pairs per direction link over P0, and supports up to two such ports on each VMEbus card. The result is theoretical slot-to-slot bandwidth of 3,050 MB/s.

VPX (VITA 46/48 family of specifications) was ratified in 2006 and uses the same family of connector as VXS. 6U VPX utilizes a mesh topology for high connectivity and performance. The specification allows for the use of VME, however, does not require it. Hybrid VPX backplanes incorporate the VMEbus signals typically across the P2 area of the MultiGig connector slots going out to legacy VME64x slots. These parallel bus signals are combined with the mesh differential signaling. 3U VPX can take various forms, but to offer enough I/O it typically has a twisted pair routing topology. A full mesh topology over 3U VPX would simply take up the vast majority of available pins. The VPX Gigabit Ethernet Control Plane per VITA 46.20 is an option with a GigE switch, providing a separate star or dual star network for out-of-band communication. VPX in the mesh format offers a theoretical slot-to-slot bandwidth of 5,000 MB/s.

In keeping with our commitment to provide reliable and consistent products, Elma is proud to offer an extensive line of VITA-based products and services.



VITA SYSTEM - KEYING

[11, 12, 14, 15, 32, 39] V ❑❑❑❑❑❑❑❑❑❑❑❑❑❑

❑❑ NUMBER OF SLOTS
00-21: Single BP; AY-YA: Split
Example 7 slot = 07
Example 12 + 9 = LI

❑ BP BARE BOARD
K = VITA 31.1
L = VXS Dual Star
M = V64, J12 mono, 3 row
N = VME64x, 6U
O = VME64x, 7U
P = VPX, 6U (VITA 46)
W = VPX, 3U (VITA 46)
Q = J1 only
R = J1/J2 Separate
S = VXS Star
T = VXS (Mesh)
V = JO
X = No BP Installed
Y = Hybrid
Z = Custom

❑ BP CONNECTOR
(CONFIGURATION J1/J2/PO)
L = 5 row, RT-2 PO & SW
M = 3 row, J1 flush, J2 13mm
N = 3 row, J1/J2, 17mm
O = 5 row, w/o PO
P = 5 row, w/ PO
Q = 3 row, 13mm
R = 3 row, 17mm
S = RT-2 (J0-J6) 6U
U = RT-2 (J0-J2) 3U
X = No Connectors
Y = Hybrid
Z = Custom

❑ DRIVES
1 = 1 x 3.5"
2 = 2 x 3.5"
3 = 1 x 5.25" HH
4 = 2 x 5.25" HH
5 = 4 x 5.25" HH
6 = 2 x 3.5", 1 x 5.25" HH
7 = 1 x 3.5", 2 x 5.25" HH
8 = 2 x 3.5", 2 x 5.25" HH
9 = 1 x 3.5", 1 x 5.25" HH
A = 1 x 2.5",1 x CDR (SL)
B = 2 x 2.5"
C = 6 x 5.25" HH
D = 1 x slim line CDROM
X = Not Installed

❑ HEIGHT
1 =1U
2 = 2U
3 = 3U
4 = 4U
6 = 6U
7 =- 7U
9 = 9U
A = 10U
C = 12U

❑ WIDTH
3 = 32 T
4 = 42 T (49T)
6 = 63 T
8 = 84 T

❑ REAR I/O
N = No
Y = Yes

❑ DEPTH
2 = 200mm - 299mm
3 = 300mm - 399mm
4 = 400mm - 499mm
5 = 500mm - 599mm
6 = 600mm - 699mm

❑ CARD ORIENTATION
V = Vertical
H = Horizontal
T = Top Load

❑ PSU INPUT
A = 110/220VAC (Plug-in)
C = 90-230VAC (Fixed)
E = 110/220VAC (2 x HS, N + 1)
G = 90-230VAC (Plug-in)
H = 48VDC (Plug-in)
K = 48VDC (Fixed)
M = 48VDC (2 x HS, N + 1)
N = 28VDC (Fixed)
O = 28VDC (2 x HS, N+1)
P = 90-230VAC (2 x HS, N + 1)
X = No PSU

❑ PSU OUTPUT
(NOT ALL PSU COMBINATIONS AVAILABLE)
1 = 100 - 199 watts (w/o 3.3V)
2 = 200 - 299 watts (w/o 3.3V)
3 = 300 - 399 watts (w/o 3.3V)
4 = 400 - 499 watts (w/o 3.3V)
5 = 500 - 599 watts (w/o 3.3V)
6 = 600 - 699 watts (w/o 3.3V)
7 = 700 - 799 watts (w/o 3.3V)
8 = 800 - 899 watts (w/o 3.3V)
9 = 900 - 999 watts (w/o 3.3V)
A = 100 - 199 watts (w 3.3V)
B = 200 - 299 watts (w 3.3V)
C = 300 - 399 watts (w 3.3V)
D = 400 - 499 watts (w 3.3V)
E = 500 - 599 watts (w 3.3V)
F = 600 - 699 watts (w 3.3V)
G = 700 - 799 watts (w 3.3V)
H = 800 - 899 watts (w 3.3V)
I = 900 - 999 watts (w 3.3V)
J = 1000 - 1099 watts (w 3.3V)
K = 1100 - 1199 watts (w 3.3V)
L = 1200 - 1299 watts (w 3.3V)
M = 1300 - 1399 watts (w 3.3V)
N = 1400 - 1499 watts (w 3.3V)
O = 1500 - 1599 watts (w 3.3V)
X = Not Installed

❑ SHIELDING LEVEL
0 = Level 0
1 = Level 1
2 = Level 2
X = Not Installed

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