





Concurrent Technologies Plc
4 Gilberd Court, Newcomen Way, Colchester, Essex CO4 9WN, UK
Tel: +44 (0)1206 752626 Fax: +44 (0)1206 751116

www.cct.co.uk

Concurrent Technologies Inc.
6 Tower Office Park, Woburn MA 01801 USA
Office: (781)933-5900 Fax: (781)933-5911

www.gocct.com

Concurrent Technologies
No. 407 Tower A, Hui Bin Office, No. 8 Beichen St., Chaoyang District,
Beijing, 100101, Peoples Republic of China
Tel: +86-10-8497 1522 Fax: +86-10-8498 8483

www.gocct.cn

About Concurrent Technologies

Concurrent Technologies has, since its establishment in 1985, developed a wide range of Single Board Computer products based on Intel® CPU technology, for use in critical embedded applications.

The Company's excellent reputation testifies to the very best levels of co-operation and product quality enjoyed by our customers worldwide.

MARKETS

Concurrent Technologies is a world leader in the design and development of high performance computer products. Projects such as telecommunications systems, radar networks, aerospace applications, defense, medical and industrial systems incorporate Concurrent Technologies' boards.

PRODUCTS

We produce a wide range of AMC, 6U/3U CompactPCI® and VME/VXS single board computers. Products include single and dual processor boards based on the Intel® Dual-Core Xeon®, Pentium® M, Core™ Duo and Core™ 2 Duo processors. The functionality of the boards can be further increased by the addition of PMC and XMC modules - either from Concurrent Technologies' range of products or from the wide choice available from third party suppliers.

In addition to the wide range of processor boards, Concurrent Technologies can offer switched fabric boards for CompactPCI and VME/VXS systems, as well as PMC Carriers, XMC Carriers and Mass Storage boards.

WIDER TEMPERATURE RANGES

In addition to the commercial temperature range of boards, many of our latest products are available in extended temperature ranges -25°C to +70°C and -40°C to +85°C; so the same board designs can be used in various environments and applications. For harsher environments (shock, vibration and temperature) there is a specific range of ruggedized products operating from -40°C to +85°C.

OPERATING SYSTEM SUPPORT

To ensure that the products are easy to integrate, Concurrent Technologies supports many of today's leading operating systems - including Windows®, Linux®, Solaris™, QNX®, VxWorks® and LynxOS®.

All companies and product names are trademarks of their respective organizations.
Specifications subject to change; E and OE.

DESIGN PHILOSOPHY

Concurrent Technologies' team of highly experienced design engineers develops hardware, firmware and software products of the highest quality. Regular design and approval reviews ensure that the products meet the required specifications and standards, and are manufacturable to a high quality level. Key components are chosen specifically from embedded roadmaps to ensure longevity of supply. In addition to our standard product ranges, many customized products have been developed to meet specific needs of our customers. Further details of our custom design service are available on request.

QUALITY

Concurrent Technologies has ISO 9001:2000 approval and designs and manufactures to the highest standards. All products are checked carefully for compliance to the appropriate standards at every stage of development, from the initial design, and in-house PWB (PCB) layout, to assembly test and final inspection. Only high quality components are purchased and assembled according to the workmanship standards expected by our customers. All quality systems and procedures are reviewed and monitored regularly to ensure adequate control and traceability throughout.

FURTHER INFORMATION

Our websites contain more information on the company, the products and latest product releases.

www.gocct.com

www.cct.co.uk

www.gocct.cn

or email: info@gocct.com

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AdvancedMC Boards

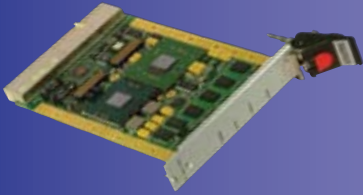
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PMC/XMC

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- Serial
- Ethernet
- Disk Controllers
- Graphics

The Advanced Mezzanine Card (AMC) specification is ratified by PICMG® to be compatible with the current AdvancedTCA® (ATCA) and the new MicroTCA™ system architectures. The AMC specification establishes a modular building block approach that is cost effective, fabric based, swappable, and scalable. The modules are designed according to a series of AMC.x specifications. Concurrent Technologies' AMC modules are suitable for applications such as wireless base stations, security, test and measurement systems, Voice over IP, media-servers or blade-servers.

Dual-Core Processor

Core 2 Duo



E -25°C to +70°C

AM 110/x0x

- 2.16GHz or 1.5GHz Core 2 Duo processor
- up to 8 Gbytes DDR2 DRAM
- PCI Express x8 (AMC.1 Type 8)
- 2 x Gigabit Serdes (AMC.2 Type E2)
- 1 x Gigabit Ethernet (Front Panel)
- 2 x SATA150 (AMC.3 Type S2)
- 2 x USB 2.0; 2 x serial; 2 additional SATA150
- IPMI and hot-swap (AMC.0)
- Optional Flash drive
- Mid or full height options

Dual-Core Xeon



AM 100/20x

- 2.0GHz or 1.66GHz Dual Core Xeon processor (667MHz FSB)
- up to 16 Gbytes soldered DDR2 ECC DRAM
- PCI Express x8 (AMC.1 Type 8)
- 2 x Gigabit Serdes (AMC.2 Type E2)
- 2 x SATA150 (AMC.3 Type S2)
- 4 x USB 2.0; 2 x serial; 2 additional SATA150
- IPMI and hot-swap (AMC.0)

Single-Core Processor

Pentium M



E -25°C to +70°C

PR AMC/33x

- 2.0GHz Pentium M processor (533MHz FSB) or 1.4GHz Pentium M processor (400MHz FSB)
- up to 2 Gbytes soldered DDR2 DRAM
- PCI Express x8 (AMC.1 Type 8)
- 2 x Gigabit Serdes (AMC.2 Type E2)
- 2 x SATA150 (AMC.3 Type S2)
- 2 x USB 2.0; 2 x serial
- IPMI and hot-swap (AMC.0)

Storage

SATA



E -25°C to +70°C

K -40°C to +85°C

AM 600/x0x

- up to 2 SATA disks or up to 2 CompactFlash drives (AMC.3)
- compatible RAID 0 and RAID 1
- IPMI (AMC.0)
- single width version also available
- mid or full height options

Graphics

Graphics/Mass Storage



E -25°C to +70°C

K -40°C to +85°C

AM 400/x10

- resolutions up to 1280 x 1024
- digital and analog video via DVI-I connector
- optional SATA hard disk drive (AMC.3)
- PCI Express x1 (AMC.1 Type 1)
- IPMI and hot-swap (AMC.0)
- mid or full height options

System

MicroTCA



Development System


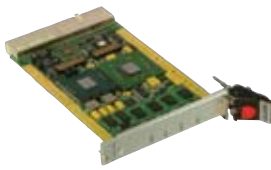
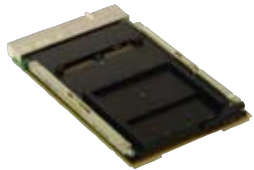
- Includes...
- MicroTCA carrier hub
 - processor AMC
 - storage AMC

This family embraces all of the benefits of the 3U CompactPCI® form factor. The boards' feature sets makes them ideally suited to applications within the transportation, industrial control, automation, scientific, telemetry, defense, security, and aerospace markets. For harsher applications, operation over -40°C to +85°C or -25°C to +70°C temperature ranges is supported. For extreme applications, ruggedized, (conduction or air-cooled) versions are available.

Extended temperature variants available **E** -25°C to +70°C **K** -40°C to +85°C

Rugged Air-Cooled **RA** -40°C to +75°C Rugged Conduction-Cooled **RC** -40°C to +85°C

Dual-Core Processor

Core 2 Duo	Core 2 Duo	Core 2 Duo
 <p>E -25°C to +70°C K -40°C to +85°C</p>	 <p>E -25°C to +70°C K -40°C to +85°C RA -40°C to +75°C</p>	 <p>RC -40°C to +85°C</p>
<h3>TP 442/34x</h3> <ul style="list-style-type: none"> • 2.16GHz or 1.5GHz Core 2 Duo processor or 1.73GHz Celeron M processor • up to 2 Gbytes DDR2-667 DRAM • XMC site (x4 PCIe) or PMC site (32-bit, 33/66MHz) • 2 x Gigabit Ethernet; 4 x USB 2.0; 2 x Serial • 4 x Serial ATA300 channels • Graphics, stereo audio • optional on-board disk drive and/or CompactFlash 	<h3>TP 402/351</h3> <ul style="list-style-type: none"> • 1.5GHz or 1.06GHz Core 2 Duo processor • up to 4 Gbytes DDR2 ECC DRAM • 2 x Gigabit Ethernet; 2 x USB 2.0; 2 x Serial • 5 x Serial ATA150 channels • onboard 512Mbytes Flash Disk • optional Flash Disk Module • optional PMC graphics using 3U PMC carrier • commercial air-cooled version of the TP 402/351-Rx • rugged air-cooled option available 	<h3>TP 402/351-Rx</h3> <ul style="list-style-type: none"> • 1.5GHz or 1.06GHz Core 2 Duo processor • up to 4 Gbytes DDR2 ECC DRAM • XMC site (x4 PCIe) in single 3U 4HP slot • 2 x Gigabit Ethernet; 2 x USB 2.0; 2 x Serial • 5 x SerialATA150 channels • onboard 512Mbytes Flash Disk • optional Flash Disk Module (uses XMC site) • optional PMC graphics using 3U PMC carrier • rugged conduction-cooled

Single-Core Processor

Pentium M



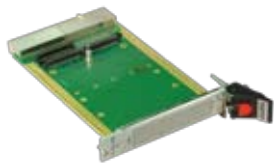
E -25°C to +70°C
K -40°C to +85°C

TP 302/32x

- 1.8GHz or 1.4GHz Pentium M processor
- 1 Gbyte soldered DDR DRAM
- 2 x Gigabit Ethernet; 4 x USB 2.0; 4 x serial
- 2 x SATA150 channels
- graphics, front and rear; keyboard/mouse
- stereo audio (input and output)
- optional on-board disk drive or CompactFlash



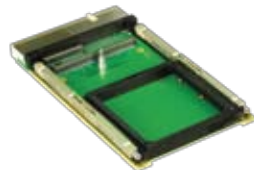
XMC Carrier



E -25°C to +70°C
K -40°C to +85°C

TP CRx/XMC

- 3U XMC carrier for XMC modules
- supports up to x4 PCI Express modules
- CompactPCI bus option for 33/66MHz 64-bit (plus optional 21 rear I/O signals)
- CompactPCI bus option for 33/66MHz 32-bit (plus 64 rear I/O signals) front and rear I/O
- front and rear I/O



RA -40°C to +75°C
RC -40°C to +85°C

TP CRx/XMC-Rx

- 3U XMC carrier for ruggedized XMC modules
- supports up to x4 PCI Express modules
- CompactPCI bus option for 33/66MHz 64-bit (plus optional 21 rear I/O signals)
- CompactPCI bus option for 33/66MHz 32-bit (plus 64 rear I/O signals)
- rear I/O on rugged conduction-cooled
- front and rear I/O on rugged air-cooled

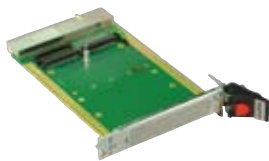
Mass Storage



TP MS1/xxx

- 3U Mass Storage controller board supporting 1 or 2 SATA300 drives and Compact Flash site
- optional expansion board supporting further 2 SATA300 drives
- supports RAID 0 and RAID 1
- hardware raid supported on off-board and expansion board drives
- option for 32-bit or 64-bit CompactPCI bus

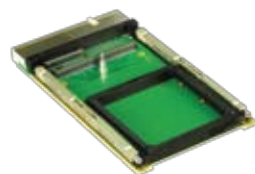
PMC Carrier



E -25°C to +70°C
K -40°C to +85°C

TP CRx/PMC

- 3U PMC carrier for PMC modules
- option for 33/66MHz 64-bit (plus optional 21 rear I/O signals)
- option for 33/66MHz 32-bit (plus 64 rear I/O signals)
- 5V or 3.3V signaling
- PMC PCI bus connects directly to CompactPCI bus
- front and rear I/O



RA -40°C to +75°C
RC -40°C to +85°C

TP CRx/PMC-Rx

- 3U PMC carrier for ruggedized PMC modules
- option for 33/66MHz 64-bit (plus optional 21 rear I/O signals)
- option for 33/66MHz 32-bit (plus 64 rear I/O signals)
- 5V or 3.3V signaling
- PMC PCI bus connects directly to CompactPCI bus
- rear I/O on rugged conduction-cooled
- front and rear I/O on rugged air-cooled






Concurrent Technologies' range of 6U CompactPCI products provide the user with a choice of high performance, highly integrated, Slot Controllers and Peripheral Controllers. These include the latest Intel® processors, including Dual-Core Intel® Xeon™, Intel® Pentium® M, Intel® Core™ Duo and Intel® Core™ 2 Duo processor based boards. Many products are available in both commercial and extended temperature variants. To support customers in the design of their application, Concurrent Technologies' provides a range of switched fabric cards and network PMC modules. And, as with all Concurrent Technologies' products, many of today's leading operating systems are supported to ensure ease of integration.

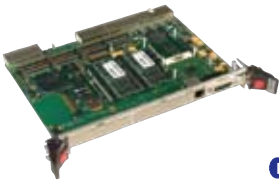


Extended temperature variants available **E** -25°C to +70°C **K** -40°C to +85°C

Rugged Air-Cooled **RA** -40°C to +75°C Rugged Conduction-Cooled **RC** -40°C to +85°C

Dual PMC

Core 2 Duo	Core 2 Duo	Core 2 Duo
	 E -25°C to +70°C K -40°C to +85°C	 RA -40°C to +75°C RC -40°C to +85°C
PP 512/06x	PP 452/03x	PP 452/03x-Rx
<ul style="list-style-type: none"> • 2.53GHz Core 2 Duo processor • 1066 Mhz Front Side Bus • up to 8 Gbytes DDR DRAM • 2 x XMC sites (x8 and x4 PCIe) or 2 x PMC sites (32/64-bit, 100/133MHz) • 4 x SerialATA300 channels • 3 x Gigabit Ethernet; 4 x USB 2.0; graphics • optional on-board disk drive and/or CompactFlash • PICMG 2.16; IPMI 	<ul style="list-style-type: none"> • 1.5GHz Core 2 Duo processor • up to 4 Gbytes DDR DRAM • 2 x XMC sites (x8 and x4 PCIe) or 2 x PMC sites (32/64-bit, 66MHz) • 2 x SerialATA150 channels; on board Flash • 2 x Gigabit Ethernet; 3 x USB 2.0; graphics • optional on-board disk drive and/or CompactFlash • PICMG 2.16; IPMI • rugged variants available 	<ul style="list-style-type: none"> • 1.5GHz Core 2 Duo processor • up to 4 Gbytes DDR DRAM • 2 x XMC sites (x8 and x4 PCIe) or 2 x PMC sites (32/64-bit, 66MHz) • 2 x SerialATA150 channels; on board Flash • 2 x Gigabit Ethernet; 3 x USB 2.0; graphics • optional on-board disk drive and/or CompactFlash • PICMG 2.16; IPMI • rugged variant of PP 452/03x

Dual PMC

Core 2 Duo	Core 2 Duo	Pentium M
 E -25°C to +70°C	 E -25°C to +70°C	 E -25°C to +70°C K -40°C to +85°C
PP 41x/03x	PP 432/05x	PP 33x/02x
<ul style="list-style-type: none"> • 2.16GHz or 1.5GHz Core 2 Duo processor • up to 4 Gbytes DDR2 ECC DRAM • 2 x PMC sites (32/64-bit, up to 100MHz) or 1 x XMC site (x8 PCIe) plus 1 x PMC site • 2 x Gigabit Ethernet; 3 x USB 2.0; graphics • SATA150; stereo audio I/O • optional on-board disk drive and/or CompactFlash • PICMG 2.16; IPMI 	<ul style="list-style-type: none"> • 2.16GHz or 1.5GHz Core 2 Duo processor • up to 4 Gbytes DDR2 ECC DRAM • 2 x XMC sites (x8 and x4 PCIe) or 2 x PMC sites (32/64-bit, 100/133MHz) • 4 x Gigabit Ethernet; 4 x USB 2.0; 3 x Serial • 2 x SATA150 channels • optional on-board disk drive and/or CompactFlash • PICMG 2.16; IPMI 	<ul style="list-style-type: none"> • 1.8GHz, 1.6GHz or 1.4GHz Pentium M processor • up to 2 Gbytes DDR DRAM • 2 x PMC sites (32/64-bit, 33/66MHz) • 4 x Gigabit Ethernet; 3 x USB 2.0 • EIDE • optional on-board disk drive and/or CompactFlash • PICMG 2.16; IPMI

Dual Processor

Dual-Core Xeon



PP 421/23x

- dual 1.66GHz Dual-Core Xeon processors
- up to 8 Gbytes DDR2 ECC DRAM
- 2 x Gigabit Ethernet; graphics
- SATA150 EIDE
- optional on-board disk drive or CompactFlash
- 1 x PMC site (32/64-bit, 66MHz) or 1 x XMC site (x8 PCIe)
- PICMG 2.16; IPMI

Single PMC

Core 2 Duo



E -25°C to +70°C

K -40°C to +85°C

PP452/43x

- 1.5GHz Core 2 Duo processor
- up to 4 Gbytes DDR DRAM
- 1 x XMC sites (x8 and x4 PCIe) or 1 x PMC sites (32/64-bit, 66MHz)
- 2 x SerialATA150 channels; on board Flash
- 2 x Gigabit Ethernet; 3 x USB 2.0; graphics
- optional on-board disk drive and/or CompactFlash
- PICMG 2.16; IPMI
- rugged variant available

Core 2 Duo



RA -40°C to +75°C

PP452/43x-RA

- 1.5GHz Core 2 Duo processor
- up to 4 Gbytes DDR DRAM
- 1 x XMC sites (x8 and x4 PCIe) or 1 x PMC sites (32/64-bit, 66MHz)
- 2 x SerialATA150 channels; on board Flash
- 2 x Gigabit Ethernet; 3 x USB 2.0; graphics
- optional on-board disk drive and/or CompactFlash
- PICMG 2.16; IPMI
- rugged air-cooled version of PP 452/43x

Single PMC

Core 2 Duo



E -25°C to +70°C

K -40°C to +85°C

PP 402/04x

- 2.16GHz or 1.5GHz Core 2 Duo processor
- up to 4 Gbytes DDR2 DRAM (soldered+SODIMM)
- 4 x Gigabit Ethernet; 4 x USB 2.0; 2 x Serial
- 2 x SATA150 channels
- graphics, front and dual rear; keyboard/mouse
- PMC site; stereo audio (input and output)
- optional on-board disk drive and/or CompactFlash
- PICMG 2.16; IPMI

Pentium M



E -25°C to +70°C

K -40°C to +85°C

PP 30x/02x

- 1.8GHz, 1.6GHz or 1.4GHz Pentium M processor
- up to 2 Gbytes DDR DRAM
- 4 x Gigabit Ethernet; 3 x USB 2.0; graphics
- Ultra160 SCSI/EIDE/SATA150
- optional on-board disk drive and/or CompactFlash
- PMC site
- PICMG 2.16; IPMI



Extended temperature variants available
E -25°C to +70°C
K -40°C to +85°C

Rugged Air-Cooled **RA** -40°C to +75°C
 Rugged Conduction-Cooled **RC** -40°C to +85°C

Switched Fabric

Ethernet Switched Fabric



E -25°C to +70°C
K -40°C to +85°C

FP 110/019

- 24-port 10/100/1000 Ethernet channels
- use with PICMG 2.16 or VITA 31.1 backplanes
- Layer 2 non-blocking switch
- QoS for time critical multimedia traffic
- traffic monitoring; IPMI (PICMG 2.9)
- live (hot) insertion and removal

Ethernet Switched Fabric



E -25°C to +70°C
K -40°C to +85°C

FP 110/008

- 10-port 10/100/1000 Ethernet channels
- use with PICMG 2.16 or VITA 31.1 backplanes
- Layer 2 non-blocking switch
- QoS for time critical multimedia traffic
- traffic monitoring; IPMI (PICMG 2.9)
- live (hot) insertion and removal

XMC Carrier



PP XMC/202

- dual XMC carrier for XMC modules
- supports up to x4 PCI Express per module
- CompactPCI bus support for 33/66MHz 32/64-bit
- front and rear I/O on air-cooled
- rear I/O on rugged conduction-cooled
- hot swap compatible
- rugged variants available

PMC Carrier

33/66MHz Dual PMC



E -25°C to +70°C

PP PMC/202

- supports 2 PMC modules
- 33/66MHz and 32/64bit
- front and rear I/O
- hot swap compatible



VME continues to be a well supported bus architecture in many industries and market segments. Concurrent Technologies offers VME users a choice of high performance, feature rich, single slot CPU boards, with support for many of today's operating systems including Windows®, RTX®, VxWorks®, Linux®, QNX®, Solaris™, LynxOS® and DOS. To support customers in the design of their application, Concurrent Technologies provides a range of switched fabric cards (VITA 31.1 and VITA 41.3) and PMC modules. Many of these products are available for extended temperature operation making them suitable for a wide variety of applications. For harsher applications there is a specific range of ruggedized products.

Dual Processor

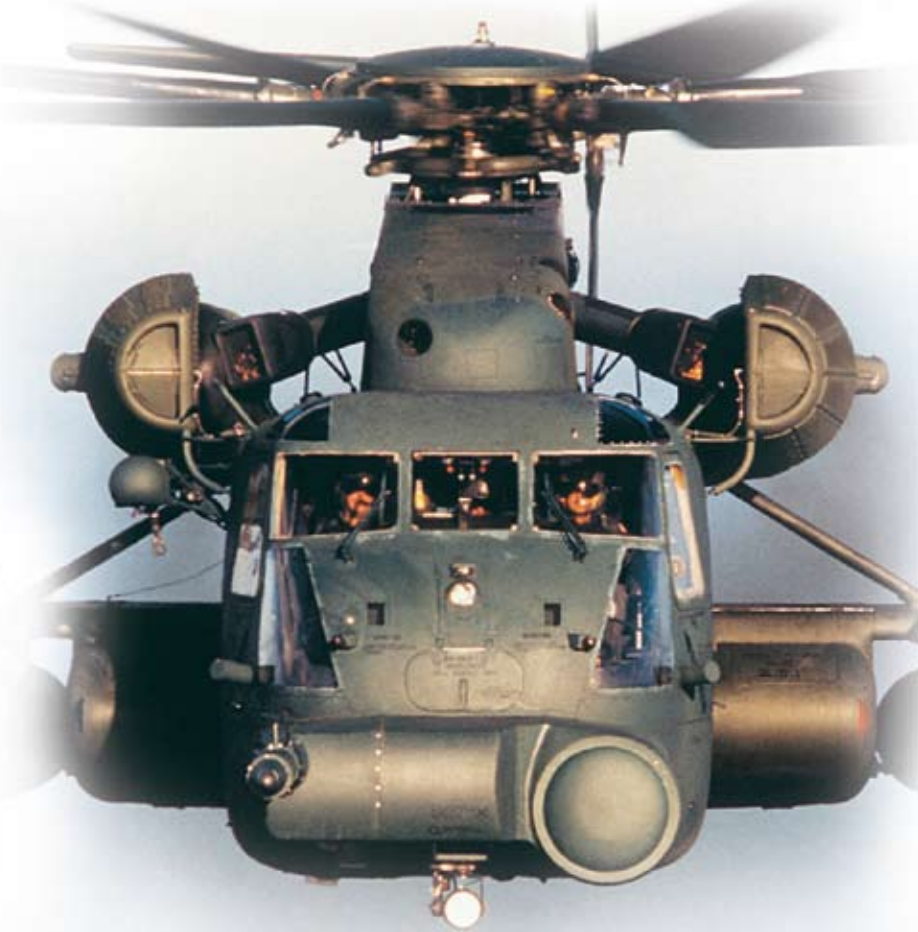
Dual-Core Xeon



E -25°C to +70°C

VP 426/23x

- dual 1.66GHz Dual-Core Xeon processors
- up to 8 Gbytes DDR2 ECC DRAM
- 2 x Gigabit Ethernet; graphics
- SATA150 EIDE
- optional on-board disk drive or CompactFlash
- 1 x PMC site (32/64-bit, 66MHz) or 1 x XMC site (x8 PCIe)
- VITA 31.1 - Gigabit Ethernet on Backplane
- VME64 and VME320 (2eSst) support



Single PMC

Core 2 Duo



E -25°C to +70°C

K -40°C to +85°C

VX 40x/04x

- 2.16GHz or 1.5GHz Core 2 Duo processor
- compatible with VME 64x or VXS Backplanes
- up to 4 Gbytes DDR2 DRAM
- VXS 41.3 - 1000Mbps IEEE 802.3 on VXS backplanes
- USB 2.0; serial; graphics
- EIDE/SATA150
- PMC/XMC site
- optional on-board disk drive and/or CompactFlash
- optional PMC Carrier

Pentium M



E -25°C to +70°C

K -40°C to +85°C

VP 34x/02x

- 1.8GHz, 1.6GHz or 1.4GHz Pentium M processor
- 1.0GHz Celeron M ULV processor
- up to 2 Gbytes DDR DRAM
- 2 x Gigabit Ethernet; 4 x USB 2.0; 2 x serial
- Ultra Wide SCSI/EIDE/floppy disk controllers
- graphics; PMC site
- optional on-board disk drive or CompactFlash
- optional PMC Carrier
- compatible with legacy VP 101/01x family

Pentium M



E -25°C to +70°C

K -40°C to +85°C

VP 32x/02x

- 1.8GHz, 1.6GHz or 1.4GHz Pentium M processor
- 2 x Gigabit Ethernet; graphics
- up to 2 Gbytes DDR DRAM
- 4 x USB 2.0; 4 x serial
- EIDE/SATA150
- PMC site
- stereo audio (input and output)
- optional on-board disk drive or CompactFlash
- optional PMC Carrier

Extended temperature variants available **E** -25°C to +70°C **K** -40°C to +85°C

Rugged Air-Cooled **RA** -40°C to +75°C Rugged Conduction-Cooled **RC** -40°C to +85°C

Dual PMC

Core 2 Duo

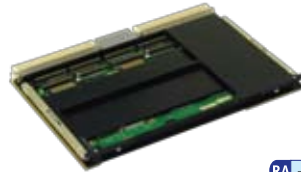


E -25°C to +70°C
K -40°C to +85°C

VP 417/03x

- 2.16GHz or 1.5GHz Core 2 Duo processor
- up to 4 Gbytes DDR2 EEC DRAM
- 2 x XMC sites (x8 and x4 PCIe) or 2 x PMC sites (32/64-bit,100/133MHz)
- 2 x Gigabit Ethernet; 2 x USB 2.0; 2 x Serial
- EIDE/SATA150; Graphics
- VITA 31.1 - Gigabit Ethernet
- optional on-board disk drive or CompactFlash
- optional PMC Carrier
- compatible with legacy VP 315/02x

Core 2 Duo



RA -40°C to +75°C
RC -40°C to +85°C

VP 417/031-Rx

- 1.5GHz Core 2 Duo processor
- up to 4 Gbytes DDR2 EEC DRAM
- 2 x XMC sites (x8 and x4 PCIe) or 2 x PMC sites (32/64-bit,100/133MHz)
- 2 x Gigabit Ethernet; 2 x USB 2.0; 2 x Serial
- EIDE/SATA150; Graphics
- VITA 31.1 - Gigabit Ethernet
- optional Compact Flash
- rugged conduction-cooled or rugged air-cooled
- compatible with legacy VP 315/02x-Rx

Pentium M



E -25°C to +70°C
K -40°C to +85°C

VP 33x/02x

- 1.8GHz, 1.6GHz or 1.4GHz Pentium M processor
- 1.0GHz Celeron M ULV processor
- up to 1 Gbyte DDR DRAM
- 2 x PMC sites (32/64-bit, 33/66MHz)
- 2 x Gigabit Ethernet; 1 x USB 2.0; 1 x serial
- EIDE/floppy disk controllers; graphics
- optional on-board disk drive or CompactFlash
- optional PMC Carrier
- compatible with legacy VP 110/01x family

PMC Carriers

33MHz Dual PMC

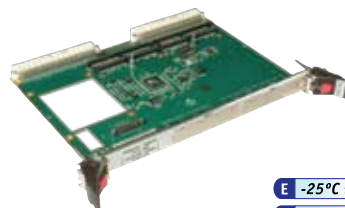


E -25°C to +70°C
K -40°C to +85°C

AD CR2/PMC

- supports 2 PMC modules
- 33MHz and 32-bit
- 5V and 3.3V support
- front and rear I/O signals

66MHz Dual PMC



E -25°C to +70°C
K -40°C to +85°C

AD CR3/PMC

- supports 2 PMC modules
- 33/66MHz and 32/64-bit
- 3.3V support
- front and rear I/O signals

Switched Fabric

Ethernet Switched Fabric



E -25°C to +70°C
K -40°C to +85°C

FP 110/008 or FP 110/019

- 10-port 10/100 or 10/100/1000 Ethernet channels
- or 24-port 10/100/1000 Ethernet channels
- option for 2 front panel LC optical connectors
- use with PICMG 2.16 or VITA 31.1 backplanes
- Layer 2 non-blocking switch
- QoS for time critical multimedia traffic
- traffic monitoring; IPMI (PICMG 2.9)
- live (hot) insertion and removal

1000 Mbps IEEE 802.3



E -25°C to +70°C
K -40°C to +85°C

FX 210/018

- 24 port 1000Mbps IEEE 802.3
- option for 2 front panel LC optical connectors
- use with VXS Switched Serial Backplanes
- supports VITA 41.3
- Layer 2 non-blocking switch
- QoS for time critical multimedia traffic
- traffic monitoring; IPMI (VITA 38)
- live (hot) insertion and removal

VME Ethernet Switch



E -25°C to +70°C
K -40°C to +85°C
RA -40°C to +75°C
RC -40°C to +85°C

FP 210/024

- 24-port Gigabit Ethernet Switch
- 12 rear ports, 12 front panel ports
- option for 2 front panel LC optical connectors
- Layer 2 non-blocking switch
- QoS for time critical multimedia traffic
- VME64x form factor; optional rear transmission module
- rugged variants available

Mass Storage Module

Dual EIDE & FDD



DS MSS/00x

- 1 x 2.5 inch EIDE disk drive
- 1 x CompactFlash/Microdrive site
- 1 x CD-RW/DVD-ROM
- 1 x floppy disk drive (dual slot)
- printer port interface
- interfaces via P2 connector



Extended temperature variants available **E** -25°C to +70°C **K** -40°C to +85°C

Rugged Air-Cooled **RA** -40°C to +75°C Rugged Conduction-Cooled **RC** -40°C to +85°C

XMC Graphics

Graphics



E -25°C to +70°C
K -40°C to +85°C



RA -40°C to +75°C
RC -40°C to +85°C

XM 403/x33

- supports DVI, VGA and TV-out
- supports composite video capture via TV-in
- S3 Graphics 2300E 3D/2D triple display controller
- resolutions up to 2048 x 1536 CRT; 2560 x 1560 DFP
- 32 bit true color
- rugged variants available

XM 403/x33-Rx

- supports DVI, VGA and TV-out
- supports composite video capture via TV-in
- S3 Graphics 2300E 3D/2D triple display controller
- resolutions up to 2048 x 1536 CRT; 2560 x 1560 DFP
- 32 bit true color
- rugged variant of XM 403/x33

PMC

Graphics



IO PMC/731

- uses dual display: CRT and Flat Panel
- up to 1600 x 1200 at 85Hz, 32-bit color
- Silicon Motion SM731
- front panel DVI-I, rear panel digital



E -25°C to +70°C
K -40°C to +85°C

IO PMC/722

- uses dual display: CRT and Flat Panel
- up to 1280 x 1024 at 85Hz, upto 24-bit color
- Silicon Motion SM722
- front panel DVI-I, rear panel digital and analog
- rugged variants available



RA -40°C to +75°C
RC -40°C to +85°C

IO PMC/722-Rx

- uses dual display: CRT and Flat Panel
- up to 1280 x 1024 at 85Hz, up to 24-bit color
- Silicon Motion SM722
- rugged variant of IO PMC/722

Extended temperature variants available

E -25°C to +70°C

K -40°C to +85°C

Rugged Air-Cooled RA -40°C to +75°C
Rugged Conduction-Cooled RC -40°C to +85°C

XMC

Ethernet



E -25°C to +70°C

K -40°C to +85°C

RA -40°C to +75°C

RC -40°C to +85°C

XM 510/x24

- Ethernet interfaces using 2 x Intel 82575EB
- 4 x 10/100/1000 Mbps interfaces
- 1000Base-T/100Base-Tx/10Base-T
- front and rear panel access
- single size XMC format
- rugged variants available

PMC

Disk Controllers



E -25°C to +70°C

SC PMC/320

- Ultra 320 SCSI
- dual channel
- asynchronous or synchronous
- narrow (8-bit) or wide (16-bit)
- SC PMC/320 uses LSI Logic 53C1030
- front and rear panel access



E -25°C to +70°C

K -40°C to +85°C

SC PMC/SA1

- 4-port SAS/SATA interfaces
- SAS 1.0 at 1.5GBits/s & 3.0GBits/s
- SATA 1.0a at 1.5GBits/s & 3.0GBits/s
- LSI Logic LSISAS1064
- front panel access

PMC

Ethernet



E -25°C to +70°C

CL PMC/GB3

- Ethernet interface using Intel 82546GB
- 2 x 10/100/1000 Mbps interfaces
- 10Base-T/100Base-Tx/1000Base-T
- Intel 82546GB dual Ethernet controller
- 512Kbytes BIOS EPROM & PXE firmware
- front panel access



E -25°C to +70°C

CL PMC/551

- Ethernet interface using Intel 82551
- 2 x 10/100 Mbps interface
- 10Base-T/100Base-Tx interface
- standard RJ45 connectors
- 256 Kbytes EPROM
- front panel access

PMC

Communications



E -25°C to +70°C

K -40°C to +85°C

CC PMC/RS1

- 4 x asynchronous serial ports
- 4 x RS232 or 4 x RS422/RS485
- RS232 version includes parallel port
- modem control signals for all ports
- Oxford Semiconductor OXmPCI954
- front and rear panel access for all I/O