

## NXP QorIQ T-Series Products 3U VPX and XMC/PMC

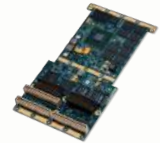
**XPedite5970**



**XPedite6100**



**XPedite6101**



### General Information

Special Features	Conduction- or Air-Cooled 3U VPX	Air-Cooled XMC/PMC	Conduction-Cooled XMC/PMC
Processor*	T2080	T1042 T1022 T2081	T1042 T1022 T2081
SDRAM	Up to 8 GB DDR3-1600	Up to 8 GB DDR3-1600	Up to 8 GB DDR3-1600
NOR Flash	Up to 512 MB	Up to 512 MB	Up to 512 MB
NAND Flash	Up to 32 GB	Up to 32 GB	Up to 32 GB
Mezzanine(s)	XMC/PMC	-	-
Mezzanine I/O to BP	X12d, subset of P64s	-	-
Ethernet	2x 1000BASE-BX to P1 or 1x 10/100/1000BASE-T to each P1 and P2	2x 10/100/1000BASE-T to P14 1x 10/100/1000BASE-T to P16 1x 10/100/1000BASE-T to FP	2x 10/100/1000BASE-T to P14
PCIe	x4 PCIe XMC 2x x4 PCIe VPX Alternate x4 SRIO or XAUI to VPX	x4 PCIe XMC	x4 PCIe XMC
USB 2.0	2	2	2
SATA	2x 6 Gb/s	2x 6 Gb/s	2x 3 Gb/s
Serial	2x RS-232/422/485	2x RS-232/422/485	2x RS-232/422/485
Software**	L, V, G, Q, X	L, V, G, Q, X	L, V, G, Q, X
Dimensions	100 mm x 160 mm 0.8" and 1.0" Pitch	149 mm x 74 mm 10 mm Stacking Height	149 mm x 74 mm 10 mm Stacking Height
Status	Production	Production	Production

#### \*Processor Information

Processor	T1022	T1042	T2080	T2081	T4080	T4160	T4240
Core Type	e5500	e5500	e6500	e6500	e6500	e6500	e6500
Number of Cores	2	4	4	4	4	8	12
Number of Threads	2	4	8	8	8	16	24
Max Frequency	1.4GHz	1.4GHz	1.8GHz	1.8GHz	1.8GHz	1.8GHz	1.8GHz

#### \*\*Software Information

L = Linux BSP  
V = Wind River VxWorks BSP  
G = Green Hills INTEGRITY-178 BSP  
Q = QNX Neutrino BSP  
X = LynuxWorks LynxOS BSP

## NXP QorIQ T-Series Products 6U VPX, 6U cPCI and 6U VME

XCalibur1832



XCalibur1840



XCalibur1900



XCalibur1931



XCalibur1940



### General Information

Special Features	Conduction- or Air-Cooled 6U VME	Conduction- or Air-Cooled 6U VPX	Conduction- or Air-Cooled 6U cPCI	Conduction- or Air-Cooled 6U VME	Conduction- or Air-Cooled 6U VPX
Processor*	T4240 T4160 T4080	T4240 T4160 T4080	T2080	T2080	T2080
SDRAM	Up to 24 GB DDR3-2133	Up to 24 GB DDR3-2133	Up to 8 GB DDR3-1866	Up to 8 GB DDR3-1866	Up to 16 GB DDR3-1866
NOR Flash	Up to 256 MB	Up to 512 MB	Up to 512 MB	Up to 512 MB	Up to 512 MB
NAND Flash	Up to 32 GB	Up to 64 GB (CPU) Up to 64 GB (SATA) optional	Up to 32 GB (CPU) Up to 64 GB (SATA) optional	Up to 32 GB (CPU) Up to 64 GB (SATA) optional	Up to 32 GB (CPU) Up to 64 GB (SATA) optional
Mezzanine(s)	2x PMC 1x XMC (optional)	2x XMC/PMC	2x XMC/PMC	2x XMC/PMC	2x XMC/PMC
Mezzanine I/O to BP	P4V2-64ac P4V2-46dz	X12d+X8d to both sites P64s I/O to both sites	P64s I/O to both sites	P64s I/O to both sites	X12d+X8d to both sites P64s I/O to both sites
Ethernet	2x 10/100/1000BASE-T to P0 1x 10/100/1000BASE-T to FP 2x 10GBASE-T to FP	10GbE XAUI to P2 2x 1000BASE-BX to P4 2x 10/100/1000BASE-T to P4 1x 10/100/1000BASE-T to FP 2x 10GBASE-T to FP	2x 10/100/1000BASE-T to J3 1x 10/100/1000BASE-T to FP 1x 10GBASE-T to FP	5x 10/100/1000BASE-T to P2 1x 10/100/1000BASE-T to P0 2x 10/100/1000BASE-T to FP (1 optional to FP)	4x 10GbE XAUI to P1 2x 1000BASE-BX to P4 2x 10/100/1000BASE-T to P4 1x 10/100/1000BASE-T to FP
PCIe	1x x4 PCIe to P0 1x x4 PCIe XMC	4x x4 PCIe to P1 1x x4 PCIe and 1x x8 PCIe XMC	2x x8 PCIe XMC	2x x8 PCIe XMC	4x x4 PCIe to P2 2x x8 PCIe XMC
USB 2.0	2	2	2	1	2
SATA	-	2x 3 Gb/s	2x 3 Gb/s	-	2x 6 Gb/s
Serial	2x RS-232/422/485	2x RS-232/422/485	2x RS-232/422/485	2x RS-232 2x RS-232/422/485	2x RS-232/422/485
Software**	L, V, G, Q, X	L, V, G, Q, X	L, V, G, Q, X	L, V, G, Q, X	L, V, G, Q, X
Dimensions	233 mm x 160 mm 0.8" and 1.0" Pitch	233 mm x 160 mm 0.8" and 1.0" Pitch	233 mm x 160 mm 0.8" and 1.0" Pitch	233 mm x 160 mm 0.8" and 1.0" Pitch	233 mm x 160 mm 0.8" and 1.0" Pitch
Status	Coming Soon	Production	Coming Soon	Production	Coming Soon

#### \*Processor Information

Processor	T1022	T1042	T2080	T2081	T4080	T4160	T4240
Core Type	e5500	e5500	e6500	e6500	e6500	e6500	e6500
Number of Cores	2	4	4	4	4	8	12
Number of Threads	2	4	8	8	8	16	24
Max Frequency	1.4GHz	1.4GHz	1.8GHz	1.8GHz	1.8GHz	1.8GHz	1.8GHz

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