

Intel® Core™ i7 3rd Gen 3U VPX Products

XPedite7470



XPedite7472



XPedite7477



XPedite7478



General Information

Special Features	Baseline Product	SecureCOTS™ with SmartFusion™ FPGA	Intel® vPro™ AMT	1x MIL-STD-1553, 2x CAN bus, Audio, MRAM
Processor	Core™ i7-3555LE: 2.5 GHz, 4 MB cache Core™ i7-3517UE: 1.7 GHz, 4 MB cache Core™ i7-3612QE: 2.1 GHz, 6 MB cache	Core™ i7-3555LE: 2.5 GHz, 4 MB cache Core™ i7-3517UE: 1.7 GHz, 4 MB cache Core™ i7-3612QE: 2.1 GHz, 6 MB cache	Core™ i7-3555LE: 2.5 GHz, 4 MB cache Core™ i7-3517UE: 1.7 GHz, 4 MB cache Core™ i7-3612QE: 2.1 GHz, 6 MB cache	Core™ i7-3555LE: 2.5 GHz, 4 MB cache Core™ i7-3517UE: 1.7 GHz, 4 MB cache Core™ i7-3612QE: 2.1 GHz, 6 MB cache
Chipset	QM67	QM67	QM67	QM77
SDRAM	8 GB DDR3-1600	8 GB DDR3-1600	8 GB DDR3-1600	8 GB DDR3-1600
NV Memory	Up to 16 GB NAND (USB)	Up to 32 GB NAND (SATA)	Up to 32 GB NAND (SATA)	Up to 32 GB NAND (SATA)
Mezzanine(s)	XMC, PMC	XMC, PMC	XMC	XMC
Mezzanine I/O to BP	X12d XMC, subset of P64s PMC	X12d XMC, subset of P64s PMC	X12d XMC	X12d XMC
Ethernet	2x 1000BASE-BX or 1x 10/100/1000BASE-T to P1 1x 10/100/1000BASE-T to P2	2x 1000BASE-BX or 1x 10/100/1000BASE-T to P1 1x 10/100/1000BASE-T to P2	1x 1000BASE-BX or 1x 10/100/1000BASE-T to P1 1x 10/100/1000BASE-T Intel® vPro™ AMT port to P2	1x 10/100/1000BASE-T to P1 1x 10/100/1000BASE-T to P2
PCIe	x4 Gen2 NTB XMC 2x x4 Gen2 NTB VPX	x8 Gen3-capable XMC 2x x4 Gen2 NTB VPX	x8 Gen3-capable XMC 2x x4 Gen2 VPX	x8 Gen3-capable XMC 2x x4 Gen2 VPX
Video	2x HDMI/DVI-D or 2x Dual-Mode DisplayPort	2x HDMI/DVI-D or 2x Dual-Mode DisplayPort	1x HDMI/DVI-D	1x DisplayPort
USB 2.0	2	2	2	2
SATA 3.0 Gb/s	2	2	2	2
Serial	2x RS-232/422/485	2x RS-232/422/485	6x RS-232/422/485	2x RS-232 2x RS-422/485
Software	L, V, W, C	L, V, W	L, V, W	L, V, W, C
2LM	No	No	No	Yes
Pitch	0.8" and 1.0"	0.8" and 1.0"	0.8" and 1.0"	0.8" and 1.0"
Status	Production	Production	Production	Production

NTB = Non-Transparent Bridge capability
 L = Linux BSP
 V = Wind River VxWorks BSP
 W = Microsoft Windows drivers
 G = Green Hills INTEGRITY-178 BSP
 Q = QNX Neutrino BSP
 X = LynuxWorks LynxOS BSP
 C = Existing coreboot with Intel® FSP support