



Ultimate DSP Development Solutions

North American Price List (valid due 1/2009)

MIRAGE-Nxx PCMCIA JTAG/MPSD Emulators for TI DSP/SoC/MCU (TI Code Composer Studio tools not included)

MNC2/1/1UP	Single-channel <i>MIRAGE-NC2/1</i> CardBus JTAG/MPSD emulator with one <i>UniPod</i>	\$2,445
MNC2/1UP	Dual-channel <i>MIRAGE-NC2</i> CardBus JTAG/MPSD emulator with one <i>UniPod</i>	\$2,645
MNC2/2UP	Dual-channel <i>MIRAGE-NC2</i> CardBus JTAG/MPSD emulator with two <i>UniPods</i>	\$4,045
UNIPOD	Universal JTAG/MPSD <i>UniPod</i> for <i>MIRAGE-Nxx</i> PCMCIA emulators	\$1,550

TORNADO-Pxxx PCI-bus boards with TI DSP

TP6416	<i>TORNADO-P6416</i> DSP board for PCI-bus with stand-alone capability, TMS320C6416 1GHz DSP, SBSRAM 512Kx64, DPRAM 256Kx32 (512Kx32 optional), SDRAM 4Mx64 (16Mx64 optional), FLASH 0K (optional up to 64Mx8, factory installed), on-board JTAG emulation controller	\$5,645
TP33	<i>TORNADO-P33</i> DSP board for PCI-bus with stand-alone capability, TMS320VC33 150MHz DSP, SRAM 512Kx32, FLASH 0K (512KB optional, user installed), on-board JTAG emulation controller	\$2,345

TORNADO-E Stand-alone 3U DSP Controllers with TI DSP

E2/6713	<i>TORNADO-E2/6713</i> stand-alone 3U DSP controller, TMS320C6713 300MHz DSP, 2-channel UART with RS232 I/F, 1-channel USB 2.0 device I/F, RTC, SBSRAM 512Kx32, SDRAM 16Mx32, FLASH 8MB, PIOX-2 ASYNC/SYNC DCM I/F, slave HCX DCM I/F	\$3,345
E6416	<i>TORNADO-E6416</i> stand-alone 3U DSP controller, TMS320C6416 1GHz DSP, 2-channel USART with RS232/RS422 I/F, USB device I/F, RTC, UTOPIA I/F, SBSRAM 512Kx64, SDRAM 4Mx64 (16Mx64 optional), FLASH 512KB	\$4,345
E33	<i>TORNADO-E33</i> stand-alone 3U DSP controller, TMS320VC33 150MHz DSP, 2-channel USART and RS232/RS422 I/F, USB device I/F, SRAM 512Kx32, FLASH 512KB	\$1,549

TORNADO-HCX Communication Controllers with Freescale PowerQUICC CPU

HCX/8349	<i>TORNADO-HCX/8349</i> HCX DCM controller with stand-alone capability, MPC8349EA 533 MHz PowerQUICC II Pro CPU, 2-channel UART with RS232 I/F, dual USB 2.0 Host/Device I/F, dual 1Gbit Ethernet I/F, DDR 256MB (1GB optional), SDPRAM 256Kx32 (512Kx32 optional), FLASH 64MB, 64-bit 66 MHz Host/Slave PCI I/F, PIOX-2 ASYNC/SYNC DCM I/F, HCX I/F, on-board MC	\$3,545
----------	---	---------

TORNADO-DDC Multi-channel Digital Radio Receivers

PX/DDC4Gr3A	<i>TORNADO-PX/DDC4G</i> rev.3A quad-channel digital radio receiver PIOX-2 DCM with stand-alone capability, TMS320C6416 1GHz DSP, dual 14-bit 105Mps ADC, GC4016 DDC, FIFO, low-noise high-stability 100MHz sampling frequency generator (93.3333MHz frequency optional), quad-channel DAC, 2-channel 394 kBaud UART with RS232C I/F, 2-channel XSIO, dual XSL, MASTER/SLAVE synchronization, USB 2.0 device I/F, SBSRAM 512Kx32, SDRAM 4Mx32 (16Mx32 optional), DPRAM 256Kx32 (512Kx32 optional), FLASH 8MB, PIOX-2 ASYNC/SYNC slave DCM I/F, on-board MC	\$7,145
T/X-DDC4G/SSC	Spread system clock option for PX/DDC4G	\$750



CowBoy Industries, Inc.

Bowie, Texas 76230, USA / 1-800-410-0181

us.sales@mlabsys.com / www.mlabsys.com



Ultimate DSP Development Solutions

North American Price List (valid due 1/2009)

Instrumentation AD/DA/DIO DCM for TORNADO

T/SDAS-ADDA4/16Q/200K	SIOX rev.B DCM, quad 16-bit 200 ksps A/D, quad 16-bit 200 ksps D/A, synchronous AD/DA sampling, sampling frequency generator	\$2,345
T/SDAS-AD1/16/300K-DA1/16/300K	SIOX rev.B DCM, 14-bit 300ksps A/D, 16-bit 300ksps D/A, sampling frequency generator	\$745
T/PDAS-AD16/16Q/1M-DA4/16Q/1M	PIOX-16 DCM, (4x4)-ch. input multiplexer with quad 16-bit 1 Msps A/D, quad 16-bit 1 Msps D/A, FIFO, synchronous sampling of AD/DA channels, sampling frequency generator	\$4,045

Audio DCM for TORNADO

T/SDAS-ATEL2	SIOX rev.B DCM, stereo 16-bit 48 ksps AD/DA, Line/MIC/Phones, 2Vrms Line-In/Out, external Telephone Line/Station Interface options	\$731
T/SDAS-AU/8L	SIOX rev.B DCM, octal 16-bit 48 ksps AD/DA, Line/MIC, 2Vrms Line-In/Out	\$999

Speech/fax/modem DCM for TORNADO

T/SDAS-SCOM1	SIOX rev.B DCM, 14-bit 19.2 ksps AD/DA, Line/MIC/Speaker, external Telephone Line/Station Interface options	\$482
T/SDAS-SCOM2	SIOX rev.B DCM, dual 14-bit 24 ksps AD/DA, Line/MIC/Speaker, external Telephone Line/Station Interface options	\$625
T/X-XCMP	Single-channel Line/MIC/Speaker cable set (for T/SDAS-SCOM1 or T/X-X2C)	\$50
T/X-XCSMP	Stereo Line/MIC/Speaker cable set for T/SDAS-SCOM2 and T/SDAS-ATEL2	\$50
T/X-XCMP/2	Dual-channel Line/MIC/Speaker cable set for T/SDAS-SCOM2 and T/SDAS-ATEL2	\$50
T/X-X2C	Dual-channel splitter for T/SDAS-SCOM2 and T/SDAS-ATEL2	\$85
T/X-XTLI	External Telephone Line I/F option for T/SDAS-SCOM1, T/SDAS-SCOM2 and T/SDAS-ATEL2 (T/X-X2C splitter is required for T/SDAS-SCOM2 and T/SDAS-ATEL2)	\$645
T/X-XTSI	External Telephone Station I/F option for T/SDAS-SCOM1, T/SDAS-SCOM2 and T/SDAS-ATEL2 (T/X-X2C splitter is required for T/SDAS-SCOM2 and T/SDAS-ATEL2)	\$1,524

Notes:

1. All prices are FOB Moscow.
2. Our prices include shipping and handling on regular delivery to addresses within the U.S. Exceptions: A) Extra shipping charges when customer requests special delivery that is not included in our regular shipping costs. B) Phone for extra charges to AK, HI, VI, PR and Canada.
3. All prices are subject to change without notice.
4. Contact the North American Distributor for compatible DSP software tools (Compilers, Debuggers, real-time OS, DSP function libraries, DSP Algorithm development tools, digital filter design tools, etc).
5. This product will be obsolete soon and have limited time availability. Contact the North American Distributor for more details.
6. Minimum order quantities may apply for this product. Contact the North American Distributor for more details.



CowBoy Industries, Inc.

Bowie, Texas 76230, USA / 1-800-410-0181

us.sales@mlabsys.com / www.mlabsys.com