

## MIRAGE JTAG/MPSD эмуляторы для процессоров ЦОС TMS320

|            |  |           |
|------------|--|-----------|
| MNE1/1UP   | Single-channel MIRAGE-NE1 ExpressCard JTAG/MPSD emulator with one UniPod | 80325,00  |
| MNE1       | Single-channel MIRAGE-NE1 ExpressCard JTAG/MPSD emulator board only      | 31325,00  |
| MNC2/1/1UP | Single-channel MIRAGE-NC2/1 CardBus JTAG/MPSD emulator with one UniPod   | 80325,00  |
| MNC2/1UP   | Dual-channel MIRAGE-NC2 CardBus JTAG/MPSD emulator with one UniPod       | 87325,00  |
| MNC2/2UP   | Dual-channel MIRAGE-NC2 CardBus JTAG/MPSD emulator with two UniPods      | 136325,00 |
| UNIPOD     | Universal JTAG/MPSD UniPod for MIRAGE-Nxx PCMCIA emulators               | 49000,00  |

## TORNADO-Pxxx системы ЦОС для ПК

|        |  |           |
|--------|--|-----------|
| TP6416 | TORNADO-P6416 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 | 192325,00 |
| TP33   | TORNADO-P33 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  | 76825,00  |

## TORNADO-E автономные контроллеры ЦОС

|         |  |           |
|---------|--|-----------|
| E2/6713 | TORNADO-E2/6713 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 | 111825,00 |
| E6416   | TORNADO-E6416 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                           | 146825,00 |
| E33     | TORNADO-E33 stand-alone 3U DSP controller, TMS320VC33 150MHz DSP, 2-channel USART and RS232/RS422 I/F, USB device I/F, SRAM 512Kx32, FLASH 512KB   | 48965,00  |

## TORNADO-HCX коммуникационные и управляющие сопроцессоры/контроллеры с процессорами Freescale PPC PowerQUICC

|          |  |           |
|----------|--|-----------|
| HCX/8349 | TORNADO-HCX/8349 HCX DCM controller with stand-alone capability, MPC8349EA 666 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 (512MB 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 | 122500,00 |
|----------|--|-----------|

## TORNADO-DDC сопроцессоры многоканального цифрового радиоприема для TORNADO и автономных приложений

|                         |  |           |
|-------------------------|--|-----------|
| PX/DDC4Gr3A             | TORNADO-PX/DDC4G 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 | 209825,00 |
| T/X-DDC4G/SSC           | Spread system clock option for PX/DDC4G  | 21000,00  |
| T/X-DDC/AFE-10.7M/BWxxx | External RF amplifier with 10.7 MHz central frequency, AGC (+80dB max) and customized BW=xxx kHz for DRR SIOX DCM and Multi-channel DRR PIOX coprocessor DCM   | 20825,00  |

## TORNADO-PX мультиспроцессорные PIOX сопроцессоры ЦОС для TORNADO

|         |  |           |
|---------|--|-----------|
| PX6416Q | TORNADO-PX6416Q PIOX-16/32 DSP coprocessor, quad TMS320C6416 800MHz DSP (19,200 MIPS total DSP performance), QPRAM 64K, SDRAM 4Mx32 per DSP, two T/SU-X1 SIOX rev.B mini-extendors | 188825,00 |
|---------|--|-----------|

## измерительные/ЦВВ модули для TORNADO

|                                |  |           |
|--------------------------------|--|-----------|
| T/SDAS-ADDA4/16Q/200K          | SIOX rev.B DCM, quad 16-bit 200 kbps A/D, quad 16-bit 200 kbps D/A, synchronous AD/DA sampling, sampling frequency generator   | 76825,00  |
| T/SDAS-AD1/16/300K-DA1/16/300K | SIOX rev.B DCM, 14-bit 300kbps A/D, 16-bit 300kbps D/A, sampling frequency generator   | 20825,00  |
| T/PDAS-AD16/16Q/1M-DA4/16Q/1M  | PIOX-16 DCM, (4x4)-ch. input multiplexer with quad 16-bit 1 Msp/s A/D, quad 16-bit 1 Msp/s D/A, FIFO, synchronous sampling of AD/DA channels, sampling frequency generator | 136325,00 |

## аудио-модули для TORNADO

|              |  |          |
|--------------|--|----------|
| T/SDAS-ATEL2 | SIOX rev.B DCM, stereo 16-bit 48 kbps AD/DA, Line/MIC/Phones, 2Vrms Line-In/Out, external Telephone Line/Station Interface options | 20335,00 |
| T/SDAS-AU/8L | SIOX rev.B DCM, octal 16-bit 48 kbps AD/DA, Line/MIC, 2Vrms Line-In/Out  | 29715,00 |

## модули для обработки речи и факс/модемов для TORNADO

|              |  |          |
|--------------|--|----------|
| T/SDAS-SCOM1 | SIOX rev.B DCM, 14-bit 19.2 kbps AD/DA, Line/MIC/Speaker, external Telephone Line/Station Interface options  | 11620,00 |
| T/SDAS-SCOM2 | SIOX rev.B DCM, dual 14-bit 24 kbps AD/DA, Line/MIC/Speaker, external Telephone Line/Station Interface options   | 16625,00 |
| T/X-XCMP     | Single-channel Line/MIC/Speaker cable set (for T/SDAS-SCOM1 or T/X-X2C)  | 1750,00  |
| T/X-XCSMP    | Stereo Line/MIC/Speaker cable set for T/SDAS-SCOM2 and T/SDAS-ATEL2  | 1750,00  |
| T/X-XCMP/2   | Dual-channel Line/MIC/Speaker cable set for T/SDAS-SCOM2 and T/SDAS-ATEL2  | 1750,00  |
| T/X-X2C      | Dual-channel splitter for T/SDAS-SCOM2 and T/SDAS-ATEL2  | 2975,00  |
| 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)    | 17325,00 |
| 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) | 48090,00 |

## вспомогательные опции для TORNADO

|            |  |          |
|------------|--|----------|
| T/PX2-X1   | PIOX2 to PIOX-16/32 Converter Adapter (used to install old PIOX-16/32 DCM onto TORNADO board with PIOX2 DCM I/F)           | 10325,00 |
| T/PX2-X2   | PIOX2 to PIOX-16 Converter Adapter (used to install old PIOX-16 DCM onto TORNADO board with PIOX2 DCM I/F)                 | 8575,00  |
| T/PX-X1    | PIOX-16/32 Reverting Extender for TORNADO ISA boards and TORNADO-Exxxx Controllers (used for debugging of custom PIOX DCM) | 975,00   |
| T/PX16-X2  | PIOX-16 Shifting Extender for TORNADO ISA boards and TORNADO-Exxxx Controllers (used for debugging of custom PIOX DCM)     | 975,00   |
| T/PX-X3    | PIOX-16/32 Shifting Extender for TORNADO-Pxxxx PCI boards (used for debugging of custom PIOX DCM)                          | 6825,00  |
| T/SU-X1    | Dual SIOX rev.B mini-extender kit for TORNADO on-board MXSIOX sites  | 4200,00  |
| T/SU-X3    | Dual XSL-to-SIOX rev.B mini-extender kit (TORNADO-PX/DDC4G)  | 4200,00  |
| T/X-MX/XSL | MXSIOX site to dual XSL converter board (TORNADO-PX64xxQ)  | 1050,00  |
| T/X-XSL/C  | XSL-to-XSL connection cable (TORNADO-PX/DDC4G, TORNADO-PX64xxQ)  | 525,00   |

**Компиляторы, программные симуляторы и отладчики фирмы Texas Instruments Inc для процессоров ЦОС TMS320**

|           |  |      |
|-----------|--|------|
| TI-CCSALL | TI Code Composer Studio tools for Windows (all TI DSP, MSP, ARM, OMAP, DaVinci, etc platforms) | call |
|-----------|--|------|

**Мультизадачная одно-процессорная операционная система ThreadX реального времени фирмы Express Logic Inc**

|       |                                      |      |
|-------|--------------------------------------|------|
| EL-TX | Thread-X RTOS (any CPU/DSP platform) | call |
| EL-FX | File-X DOS/Windows File System       | call |
| EL-NX | Net-X TCP/IP/UDP Protocol            | call |
| EL-PX | PegX GUI                             | call |
| EL-UX | USB-X Host/Device Embedded Stack     | call |

**Мультизадачная мультипроцессорная операционная система реального времени Diamond фирмы 3L Ltd**

|           |  |      |
|-----------|--|------|
| 3LDIAMOND | Diamond RTOS (TI 'C4x, 'C6x, 'C64xx DSP) | call |
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**Примечания:**

1. Цены указаны в рублях.
2. Цены действительны только на территории России и могут быть изменены без предварительного уведомления.
3. НДС не взимается (упрощенная система налогообложения).
4. Цены приведены только для основных изделий фирмы. Для получения полной информации о ценах на другие изделия, а также на изделия, снятые с производства и производимые по заказу, на фирму МикроЛАБ Системс.
5. Поставка этой продукции осуществляется из других стран, и к общей стоимости всего заказа будет добавлена стоимость доставки из соответствующей страны. Для получения более подробной информации обращайтесь на фирму МикроЛАБ Системс.