

Ruggedized GSA Product List

RUGGED NOTEBOOKS



OUTDOOR DISPLAYS



RUGGED COMPUTERS



HANDHELD AND TABLET COMPUTERS



[TETRATPAD RUGGED MILSPEC PDA](#)

Take display intensive applications to the field with the *TPad's* full VGA 640 x 480 high brightness display. Connect with integrated Bluetooth or install WiFi or GPRS via CF card. Add the optional internal 12 channel GPS or interface via USB (client only) and RS-232. Connect to an external display via waterproof connectors. Run your applications with Microsoft Windows CE 4.2 or LINUX. The MIL-STD-810 certified *TPad* is perfect for field operations in mapping, data acquisition, device control or as a human interface to other field portable devices.



[TETRALIGHT RUGGED TABLET COMPUTER](#)

The TetraLight provides the ruggedness and versatility that allows field operations with complex applications. Encased in a die-cast magnesium shell, the TetraLight is Mil-Spec tested and certified for all field condition and is built to survive drops, rain, dust, salt air, and other harsh environments. Its bright, 10.4" touch screen is completely sealed to the elements and has state-of-the-art digitizing with enhanced writing recognition and secure wireless communication capabilities making the system an advanced solution for Wi-Fi mobile networks.

NOTEBOOK COMPUTERS



[TETRANOTE XXS RUGGED MINI NOTEBOOK COMPUTER](#)

The all-metal TetraNote XXS is smaller, lighter and tougher than other rugged notebooks. It's designed to survive the harshest field environments while offering sunlight readability and Pentium M performance. With sealed ports, rubber keyboard and conduction cooling, it will operate and survive in the rain or a blowing sandstorm. It is tested and certified to MIL-STD-810 and optionally to MIL-STD-461. Specify a shock-isolated vehicle mount and remote display for a complete deployable solution in an aircraft, vehicle, shelter or field environment.



[TETRANOTE XS RUGGEDIZED NOTEBOOK COMPUTER](#)

Survive the harshest field environments, operate continuously for 7 hours from internal power; the TetraNote XS offers the ultimate in rugged laptop performance. Intel's new low power Yonah Dual-Core processor provides the ultimate in ruggedized field compute performance at speeds up to 1.66GHz. The TetraNote XS is tested and certified to MIL-STD-810 and optionally MIL-STD-461. Order one of the Wireless Ready options for immediate connectivity. Specify a shock-isolated vehicle mount and remote display for a complete deployable solution.



[TETRANOTE RUGGED 2 SLOT ADD-IN NOTEBOOK COMPUTER](#)

Add in your cards, interface with MILSPEC connectors, survive the harshest field environments, operate continuously for 10 hours from internal power; the TetraNote offers the ultimate in rugged laptop performance. Multiple expansion bays provide flexible expansion while the expansion slice gives room for 2 PCI or ISA add-in cards and doubles as a custom mounting tray for your proprietary application modules. TetraNote is tested and



Multiple expansion bays provide flexible expansion while the expansion slot gives room for 2 PCI or ISA add-in cards and doubles as a custom mounting tray for your proprietary application modules. TetraNote is tested and certified to MIL-STD-810 and optionally MIL-STD-461. Order the Wireless Ready option for immediate connectivity.

ATTACHE COMPUTERS



[TETRASMART XS RUGGED ULTRA-SLIM 1 SLOT ADD-IN COMPUTER](#)

Take the ultra-slim TetraSmart XS anywhere. This rugged attaché-style portable handles remote environments with a low-power Pentium M and an internal battery. Host your dedicated hardware in a full-length PCI slot that lets you take your applications to the field. Operating and transport shock and vibration is handled with a welded stress-relieved aluminum case. Run up to 1.5 hours on the internal battery or plug into any AC or DC source from 90 to 265 VAC and 9 to 36 VDC. There's no missed detail with high resolution 15" XGA or WSXGA display screens.



[TETRASMART S RUGGED SLIM 2 SLOT ADD-IN COMPUTER](#)

Go mobile with a low-power Pentium M and an internal battery. TetraSmart S makes the perfect platform for field applications where you need up to 2 full-length add-in PCI cards, or space to add your own hardware modules. Drops, knocks and daily abuse doesn't bother the TetraSmart S, its welded stress-relieved aluminum case survives them all. Get power from any AC or DC source from 90 to 265 VAC and 9 to 36 VDC, or run up to 1.5 hours on the internal battery. There's no missed detail with a bright 15" XGA or WSXGA display screen.



[TETRASMART RUGGED 5 SLOT ADD-IN COMPUTER](#)

Get moving with the field-ready TetraSmart, the perfect platform for mobile applications requiring up to 5 full-length add-in PCI or ISA cards. Don't let the day to day abuse of the flight line, shipboard operations or forward deployed environments stop you. TetraSmart's welded stress-relieved aluminum case survives them all. Get power from any AC or DC source from 90 to 265 VAC and 9 to 36 VDC. There's no missed detail with its bright 15" XGA or WSXGA display screen and multiple storage options allow room for huge data and video files.

PORTABLE ADD-IN COMPUTERS



[TETRA2 RUGGED 7 SLOT ADD-IN COMPUTER](#)

The Tetra2 is certainly the most powerful and expandable portable available. Host the most demanding and power hungry application cards in Tetra2's six add-in expansion slots and power them from the almost inexhaustible 300W power supply. Select from up to a 3 GHz Pentium IV or opt for the incredible performance of the 3.06 GHz Xeon CPU. Add RAM to the max, multiple hard drives and 10-gig E to make the most powerful computer with a handle. Take it anywhere with the ruggedness of an all-aluminum chassis ringed by a tough ABS case.



[TETRARPC RUGGED 5 SLOT ADD-IN COMPUTER](#)

Get rugged performance in a field-rated add-in portable. The Tetra RPC all metal portable is designed and rated to perform in harsh environments while hosting up to 5 add-in PCI or ISA function cards. Internal mounting options allow you to install custom sized proprietary modules. Select from AC or AC/DC/UPS power supplies with standard or MILSPEC connectors. Add a pre-heater to allow cold start operation from -20C. Select from Pentium processors to 3 GHz along with a wide variety of memory, storage and display options.



[TETRARPC PXI RUGGED 7 SLOT PXI ADD-IN COMPUTER](#)

Take PXI instrumentation applications to the field with the rugged TetraRPC PXI portable system. Equip it with a National Instruments or Adlink Technology CPU and your ready to host PXI applications in the 7 3U add-in slots. The AC/DC/UPS power supply works anywhere and provides up to 30 minute operating time while relocating operating environments. Specify pre-heaters for cold working environments and the waterproof keyboard for messy ones. The highly rugged, precision welded chassis withstands the rigors of day to day deployed use.



[TETRAMIL RUGGED 6 SLOT MILSPEC ADD-IN COMPUTER](#)

Get full MILSPEC from a COTS product. The off-the-shelf TetraMil is designed and certified to MILSPEC environmental and emissions requirements. It is a fully sealed, conduction cooled rugged add-in computer with 5 PCI and 1 PCI/ISA available slots. Wide range AC or DC power inputs plus a 30 minute internal UPS make it a natural for field operations, especially in harsh, dusty, wet and cold or hot conditions. MIL D38999 I/O connectors are available and the color, nameplates and control nomenclature is customer specifiable.

MILSPEC VEHICLE COMPUTERS

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TETRACDT RUGGED MILSPEC COMPUTER

The TetraCDT is a full MILSPEC computer with display unit designed for vehicle or aircraft deployment as a Commander's Data Terminal. Its case is precision milled from solid aluminum blocks with engineered heat piping and thermal extraction allowing operation up to 60°C. Shock and vibration tolerance is provided for all shipboard, ground and air vehicle applications including those with powder-fine dust and direct blowing rain. For customer specific applications, an open Compact PCI and an open PMC slot are available for customer expansion.



INSTRUMENT CONTROLLERS

TETRASMART 2720A SERIES PORTABLE INSTRUMENT CONTROLLERS

Take the ultra-slim TetraSmart 2720As anywhere. These rugged attaché-style portable instrument controllers handle remote environments with a low-power Pentium M and an internal UPS. Control with the integral GPIB controller or host your dedicated hardware in one or two full-length PCI slots that lets you take your applications to the field. Operating and transport shock and vibration is handled with a welded stress-relieved aluminum case. Run up to 1.5 hours on the internal battery or plug into any AC or DC source from 90 to 265 VAC and 9 to 36 VDC.



TETRA 1722A MODULAR INSTRUMENT CONTROLLER

The Tetra 2722A is a self-contained 4U height 19" Instrument Controller with an internal 8-inch high brightness (400 cd/m²) LCD display. All the 2722A I/O ports are placed on the front panel for easy access and maintenance. The 2722A power and peripheral controls can be locked from the outside to prevent unauthorized users from operating the unit. Three open instrument interface slots are available for ISA or PCI plug-in modules. The unit can be rack mounted or used on the bench and has an integral pull out keyboard with touch pad pointing device.



TETRA 1725A MODULAR INSTRUMENT CONTROLLER

The Tetra 2725A is a self-contained 4U height 19" Instrument Controller with an internal 8-inch high brightness (400 cd/m²) LCD display. The 2725A GPIB and main instrument I/O ports are placed on the rear panel with 2 USB ports on the front for easy access. The 2725A power and peripheral controls can be locked to prevent unauthorized users from operating the unit. Eight open instrument interface slots are available for ISA or PCI plug-in modules. The unit can be rack mounted or used on the bench and has an integral pull out keyboard with touch pad pointing device.



SUNLIGHT READABLE DISPLAYS

TETRA RDU SUNLIGHT READABLE DISPLAY

The TetraRDU provides full sunlight readability with 1200 nit luminance and a wide range of universal inputs. It is designed for extended outdoors operation in full direct sunlight while providing very high contrast in adverse viewing conditions. The fast response DBEF-enhanced TFT screen displays high speed video images without smearing or ghosting. Full 200:1 dimming range can be digitally controlled or via a continuously variable brightness knob. Manual display controls are available via pushbutton or remote IR controls and RS232 computer control is available.

