



What's New Mining Products

Unitronix can supply a wide range of products to mining applications. These include Satcom Antennas, rugged laptops, rugged tablets, rugged PDAs, vehicle/box PCs, workstations and displays for hazardous environments, panel PCs and rugged power supplies. These products are manufactured to endure the harsh environments which the Australian mines present, with the majority of our products IP6X rated to cope with the dust and with MIL-STD certifications which allow them to withstand shock and vibration.

Satcom Antennas:

Holkirk TP-Netcaster:

This affordable antenna system from Holkirk is renowned for its compact size, lightweight and powerful performance, based on the Broadcaster range, the TP-Netcaster has been designed to excel in today's increasingly demanding IP delivery market place. The TP-Netcaster range incorporates the antenna, BUC, LNB and cross-site cables. The components of the system are housed in IATA airline checkable transport cases. There are no tools required to assemble and operate the system, making the TP-Netcaster fast and reliable for quick deploy applications.



Holkirk CF100:

The CF100 is the world's first truly multiband compact flyaway with outstanding operation in X and Ku-bands with integrated antenna, RF BUC and auto-acquire ACU, all within a single light weight and robust carbon fibre housing. The complete system weighs less than 32kg making the CF100 a one-person deployable flyaway that can be transported worldwide with no IATA export restrictions. The CF100 series can be supplied with System EIRP's of: CF100X X-band 54dBw (max) and CF100KU Ku-band 56dBw (max).

Vehicle PCs from Acrosser Technology:



Acrosser AR-V6002FL:

Unitronix announce Acrosser's AR-V6002FL. A fanless Vehicle PC which is designed with standard power input for car batteries of 12V / 24V capability to operate in rugged environments of -20°C to +50°C degrees (standard vehicle certification of CE, FCC class B and E-Mark 13). It can also withstand shock and vibration up to 2G (IEC60068), to allow system integrators to implement the device across various vehicle applications, such as fleet management, telematics, traffic safety control and numerous other mobile environments. It runs an Intel™ Atom D425/D525 CPU with a heat pipe and Intelligent Power Module.

Acrosser AR-V5403FL:

This Vehicle PC can run an Intel Core 2 Duo with up to 2GB DDRII. It has a range of I/O features such as four USB, four serial ports, two Ethernet ports and options for 3.5G, GPS, GPRS and WiFi.



Acrosser AR-V5430FL:

This Vehicle PC can run an Intel Core 2 Duo with up to 2GB DDRII. It has a range of I/O features such as four USB, four serial ports, two Ethernet ports and antenna sockets for GPS, GPRS and WiFi.



Vehicle Displays from Acrosser Technology:



Acrosser AR-DP080V:

The AR-DP080V is an 8" LED Backlit LCD with a 4-wire resistive touch screen panel. The display is held within a plastic chassis which is VESA75 mount compatible.



Acrosser AR-DP100VW:

The AR-DP100VW is a 10.2" LED Backlit, wide screen LCD with a 4-wire resistive touch screen panel. The display is held within a plastic chassis which is VESA75 mount compatible.

Rugged Portable Devices for Mining Applications:

EVOC JNB-1406:

The Evoc JNB-1406 is a fully rugged notebook developed to meet the requirement of military and field applications. It adopts an Intel Core i7 Processor, up to 2.4GHz. It displays on to a 14.1" tempered glass and sunlight readable LCD. The notebook supports SATA 6Gbps and USB3.0, ensuring fast data-storage and transmission. The JNB-1406 comes with an onboard 1GB + 1 x SO-DIMM, up to 8GB DDR3.



**Intel Core i7
2.4 GHz,
USB3.0,
Up to 8GB
DDR3**

**Lightweight at
1.1 KG,
Sunlight
Readable,
-20 to 60°C**



Durabook T7M:

The T7M is an ergonomic rugged Tablet PC with a net weight of 1.1Kg with the battery. It is designed to meet the demands of mobile workers such as the military and miners. It operates with an Intel ATOM Z530P, with 1.6GHz and displays to a 7" WSVGA TFT, sunlight readable LCD with a resistive touch-screen panel. It is also ultra rugged with IP65 and MIL-STD 810G certifications and an operating temperature of -20 to 60 degrees Celsius.

For further information on our Rugged Portable Devices please visit our website: www.unitronix.com.au

Rugged Wireless Devices for Mining Applications:



MicroBee Super Star II GPS PC/104 add on Card:

The Super Star II 5 Hz or OEMV-1 GPS is in PC/104 format. Utilising a powerful XR16C2850 Dual 128 Byte FIFO UART this CPLD based module allows access to both the data port and differential correction port with a full 128 bytes of buffer space. This can mean just one interrupt per GPS message. In addition this unit offers many special features such as simple rotary switch address selection, a third external high speed 16C850 serial port, software control of GPS reset and 1PPS output signal manipulation.

MicroBee P501RE Wireless Ethernet:

The P501RE is a long range, very robust transparent Ethernet Bridge for L Band applications. It is ideal for applications where long range Ethernet communications is required, but an average throughput in the 100 Kbps range is sufficient. When using radio for data communications, there is always a tradeoff between throughput and range.



PQI Solid State Disks (SSD):

TurboII 2.5" SSD:

- RoHS Compliant
- Compatible with SATA
- No seek error & no noise
- Low power consumption
- No latency delay
- Shock resistant & anti-vibration
- Ultra DMA Mode Support



HighSpeed 2.5" SSD:

- Compatible with IDE interface
- No seek error & no noise
- Low power consumption
- No latency delay
- Shock resistant & anti-vibration
- Multi-Word DMA Mode Support



VersaLogic Rugged Embedded CPU Boards – Extreme Reliability:



Mamba EBX SBC with Core2Duo.

Very high-performance Intel Core 2 Duo processor with up to 8 GB RAM, dual gigabit Ethernet, on-board analogue and digital I/O, Mini Card socket, USB flash interface, and SPX expansion.

-40 to +85°C Operation.



Sidewinder EBX SBC with VIA Eden

1.2GHz processor. It incorporates dual 10/100 Ethernet, a Compact Flash socket, and integrated I/O including 8-Channel 12-bit Analogue input and 32-Channel Digital I/O.

0 to +60°C Operation.

For further information on these products or for technical support call:

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