

## Xtreme/FP

The Xtreme/FP board uses the small module form factor of the FeaturePak specification. It is designed to add four high speed serial ports to your FeaturePak compatible baseboard or single board computer. It also allows you to use 16 bits of custom configurable digital I/O to expand functionality, control and communicate to different devices. Xtreme/FP can be used for a wide range of embedded applications.

**Product Name:** Xtreme/FP  
**Part Number:** XKG001

### Features

- ✓ Compatible with any FeaturePak host board
- ✓ 4 Ports RS-232
- ✓ PCI Express UART
- ✓ 256 bytes of transmit and receive FIFO buffers
- ✓ Automatic hardware and software flow control
- ✓ Speeds of up to 1Mbps
- ✓ 16 digital IO or timer/counter functionality (5V or 3.3V selectable)
- ✓ Primary and secondary FeaturePak IO groups utilized

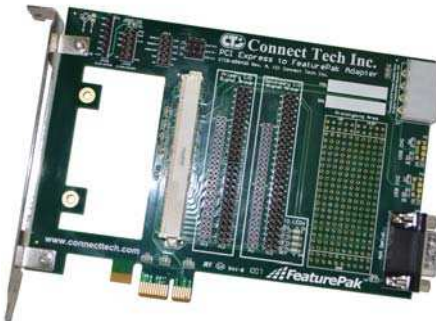


### What is FeaturePak?

A new and exciting embedded system expansion standard. FeaturePak is a mezzanine-style standard designed to work with existing standards such as PC/104, SUMIT, Qseven, ETX, XTX, COM Express, etc.

FeaturePak modules are smaller than a credit card at 42mm x 65mm in size and make use of a low-cost connector to integrate all host and external I/O interfaces. Using FeaturePak allows you to reconfigure your system design using off the shelf modules based on an open standard that will ensure a strong eco-system.

To learn more about FeaturePak, visit <http://www.connecttech.com/sub/products/featurepak.asp>.



#### Interested in Xtreme/FP?

You may also be interested in Connect Tech's PCI Express to FeaturePak Adapter board, which allows users to install a FeaturePak module into any PCI Express system slot. To learn more about the PCI Express to FeaturePak Adapter, visit [http://www.connecttech.com/sub/Products/PCI\\_Express\\_FeaturePak\\_Adapter.asp](http://www.connecttech.com/sub/Products/PCI_Express_FeaturePak_Adapter.asp).

### Specifications

|                               |  |
|-------------------------------|--|
| <b>Number of Ports</b>        | 4  |
| <b>Electrical Interface</b>   | RS-232   |
| <b>Control Signals</b>        | TX, RX, RTS, CTS, DTR, DCD, DSR, RI  |
| <b>Connectors</b>             | None, IO connected to FeaturePak IO Pins   |
| <b>Baud Rate</b>              | 1 Mbps   |
| <b>UART Type</b>              | 17V358 PCIe UART with up to 256 bytes of transmit and receive FIFO buffers for each port |
| <b>Dimensions</b>             | 2.550" x 1.7"  |
| <b>Temperature</b>            | -40° C to 85° C (-40° F to 185° F)   |
| <b>Bus</b>                    | FeaturePak   |
| <b>Software Compatibility</b> | Windows/Linux/QNX  |
| <b>System Requirements</b>    | FeaturePak Baseboard   |
| <b>Power Consumption</b>      | 500mA  |
| <b>Additional I/O</b>         | 16 Digital IO (5V or 3.3V selectable)  |
| <b>Warranty and Support</b>   | Lifetime warranty and free technical support   |

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