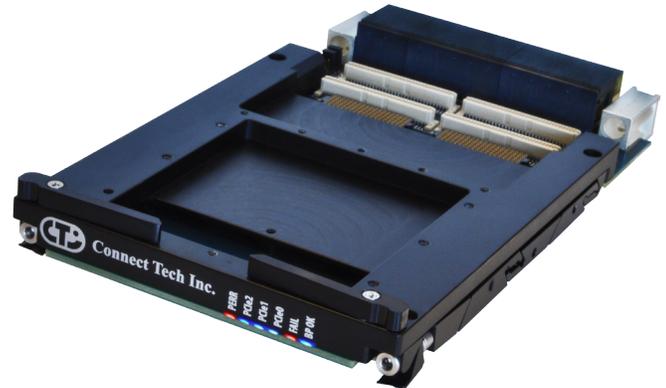


GraphiteVPX/XMC-PMC

Connect Tech's GraphiteVPX/XMC-PMC is a VITA 65 compliant 3U peripheral carrier card that brings PCIe Gen 3.0 capable features to a mezzanine carrier. Complete with a x8 Gen 3 PCIe capable VITA 42 XMC interface for all the newest, high-end mezzanine cards, as well as a 64-bit 133MHz PCI-X capable interface for use with all of your legacy PCI based PMC mezzanines.

A complete mezzanine I/O complement is available (based on VITA 46.9) with all 64 PMC I/O (p64s) or all 78 XMC I/O (x12d+x8d+x38s) with the ability to support a hybrid option that allows for XMCs that have PMC I/O connectors.

The onboard PCIe Gen 3.0 switch allows for multiple dataplane options, a direct x8 interface to the XMC site or the option of splitting the bus into two x4 interfaces allowing for an additional downstream port on the backplane. A non-transparent (NT) option is also available to allow multiple hosts to share the mezzanines resources through the same backplane.



FEATURES

- ✓ Conduction cooled or Air cooled options available
- ✓ The onboard PCIe Gen 3.0 switch supports multiple Dataplane options: one x8 or two x4 ports
- ✓ I/O options: PMC I/O p64s or XMC I/O x12d+x8d+x38s
- ✓ Extended Temperature Range -40°C to +85°C

Specifications	
Power Requirements	12V (VS1)*, 3.3V (VS2), and 5V (VS3)
Maximum Power	15W + Mezzanine Power
Back Plane PCIe	3.0 (x8 or two x4) Dataplane only
XMC PCIe	3.0 (x8)
PMC PCI-X	64-bit 133MHz
LEDs	Power up status and PCIe Link speeds
Thermal Interface	Air-cooled or Conduction Cooled options
I/O Options	p64s for PMC I/O or x12d+x8d+x38s for XMC I/O

* A 5V/3.3V only option is also available.

Backplane Mezzanine I/O Options

P2																P1												Conn				
16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	Water
P64s																X12d												PMC				
X8d				X38s												X12d												XMC				