

‘one of the many tools we have to help us build your system solution’



CPC19-EM2 Inter-board Module

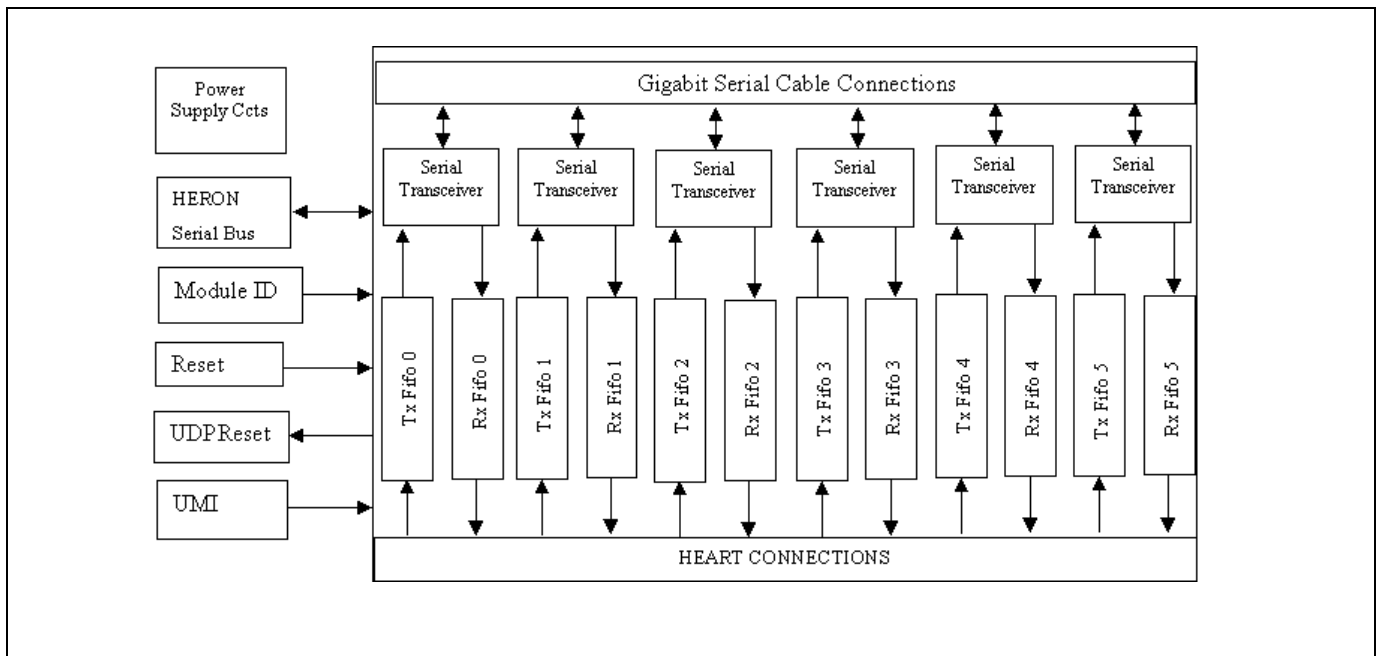
- Provides point to point communications between HECPC19 module carriers.
- 100% compatible with PC9-EM1 – allowing connections between PCI and Compact PCI module carriers
- Plugs in to J4 connector of HECPC19
- Programmed using HeartConf or Server/Loader.
- 6 bi-directional connections
- 15cm cabling included, 50cm cabling on request.

The CPC19-EM2 is a module designed specifically for use with Hunt Engineering HECPC19 Heron Module Carriers, to provide point-to-point communication between multiple HECPC19s or to HEPC9s. The connection provided simply extends the “Virtual FIFOs” of the HEART architecture.

The interboard connectivity provided uses up to six 1.25 Gigabit bi-directional links, allowing each cable connection to provide up to 125Mbytes/sec in each direction. As many of the six cables as are required by the system can be fitted, to provide connections between two boards.

In addition to the FIFO data, the CPC19-EM2 can be programmed to propagate the system Reset and Heron Serial Bus (HSB) connections. This allows remote boards to be reset and programmed exactly as if they were an extension of the first board.

Using the Heron Serial Bus it is possible to perform all HSB functions on a remote HECPC19, such as heart configuration, module queries, and any other arbitrary HSB messaging.



Technical Specification

Processor:
none

Memory:
none

Host Bus:
HECPCI9 J4 interface

Maximum Dimensions:
3.85inches x 1.9 inches

Power requirements:
5V Max: 1.5A
Typ: 0.6A

I/O:

FIFO speed:
Max theoretical 125 Mbytes/second
per FIFO

Software

The CPC19-EM2 is fully supported
by the HUNT ENGINEERING
Server / Loader and HeartConf

Applications

Related Products

HECPCI9, Compact PCI module
carrier
HEPC9, PCI module carrier
PC9-EM2 inter-board module for
HEPC9
Contact factory for latest

Ordering Information

CPC19-EM2

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