

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



PC9-EM2 Inter-board Module

- Provides point to point communications between HEPC9 module carriers.
- Plugs in to external module slot of HEPC9
- Programmed using HeartConf or Server/Loader.
- 6 bi-directional connections
- 15cm cabling included.

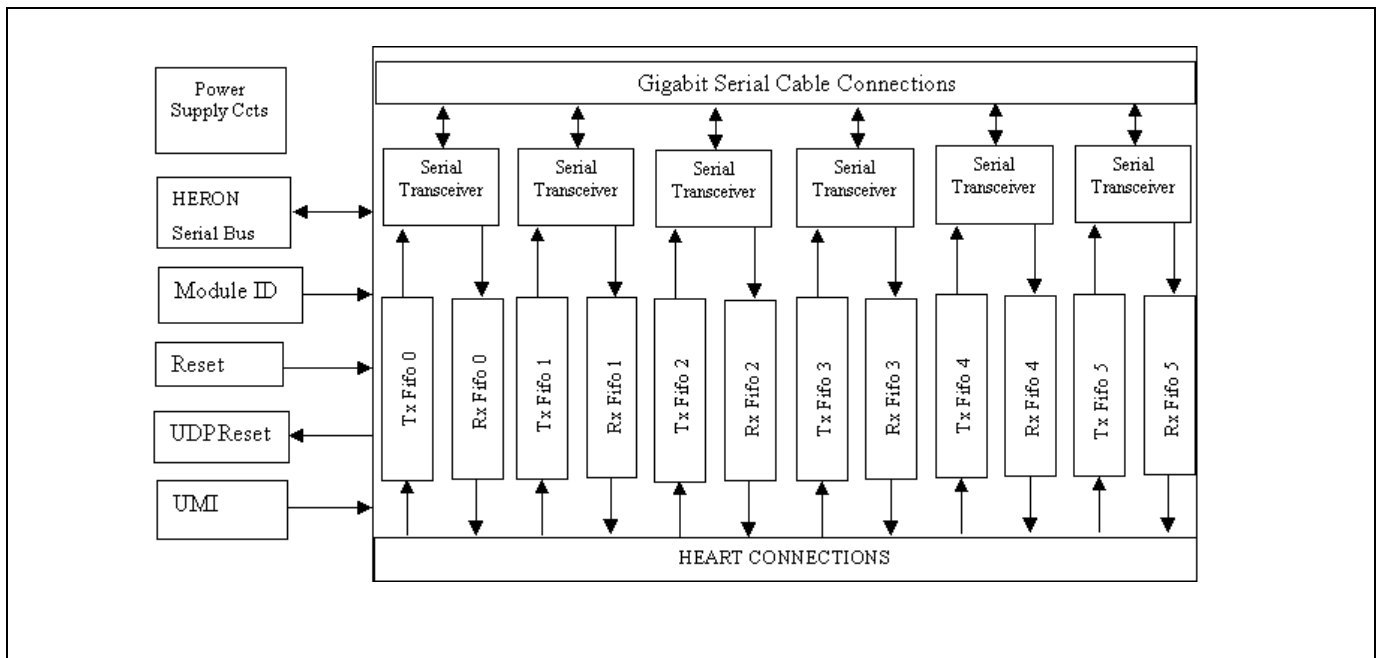
The PC9-EM2 is a module designed specifically for use with Hunt Engineering HEPC9 Heron Module Carriers, to provide point-to-point communication between HEPC9s.

The PC9-EM2 plugs into the special External Module slot of an HEPC9. This slot of the HEPC9 is designed for external modules to connect to the Heart architecture of the HEPC9, so that connections of the inter-node data may be made from one HEPC9 to another. The external module slot is simply bypassed when there is no module fitted to it.

The interboard connectivity is achieved with up to six 1.25 Gigabit bi-directional links, over which the inter-node FIFO data may be passed. The serial link connections between HEPC9s may be made according to the connectivity requirements of the end system.

In addition to the internode data, the PC9-EM2 also transmits the state of the HEPC9's reset signal, over any connected serial links, to other PC9-EM2s. These other remote EM2's may be programmed, over the Heron Serial Bus (HSB), to propagate the state of the received reset onto the UDPRESET of the remote HEPC9, thus providing the function of remote resetting.

The PC9-EM2 may also be programmed, again over the HSB, to propagate HSB messages over the serial links. It is therefore possible to perform all HSB functions on a remote HEPC9, such as heart configuration, module queries, and any other arbitrary HSB messaging.



Technical Specification

Processor:
none

Memory:
none

Host Bus:
HERON interface

Maximum Dimensions:
3.85inches x 1.9 inches

Power requirements:
5V Max: 1.5A
Typ: 0.8A

I/O:

FIFO speed:
Max theoretical 125 Mbytes/second

Software

The PC9-EM2 is fully supported by the HUNT ENGINEERING Server / Loader and HeartConf

Applications

Related Products
HEPC9, PCI module carrier
Contact factory for latest

Ordering Information

PC9-EM2

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