

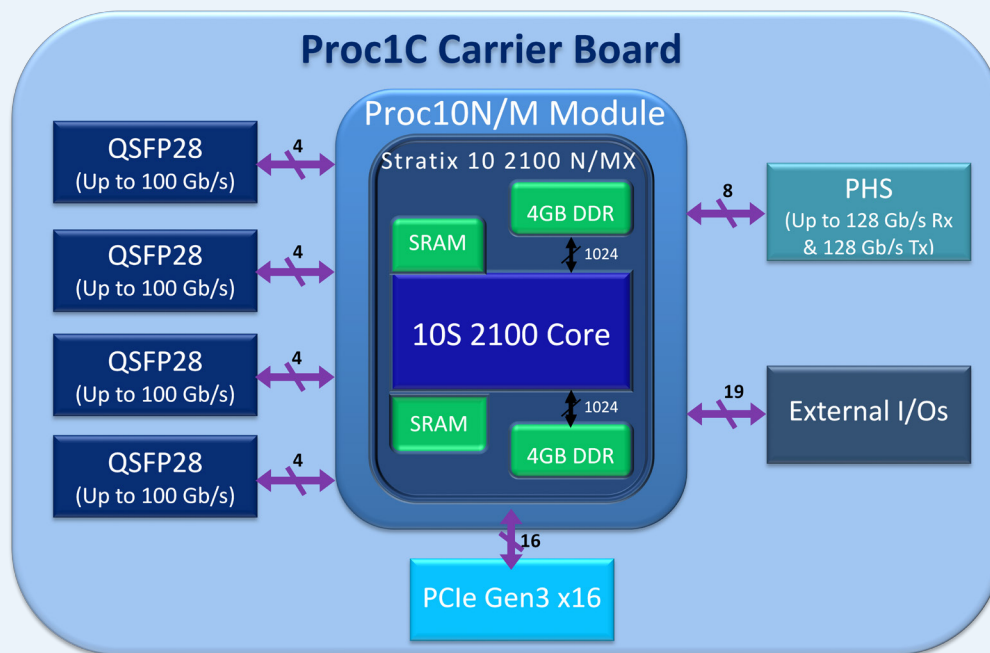
Proc1C PCIe Carrier Board

For Ultra-High Performance Stratix 10 NX/MX Module



Gidel's Proc10N/M modules, based on Intel's powerful Stratix10 NX and MX HBM FPGA, is designed for ultra-high-performance acquisition and real-time processing. The combination of HBM technology, which enables 10x more DRAM and eSRAM bandwidth, and 1600 Gb/s I/O bandwidth offers tremendous application possibilities at unprecedented compactness and cost-performance. For more information, refer to the Proc10N and Proc10M datasheets.

Gidel offers a half-length PCIe carrier board for the Proc10N/M that can be used as an off-the-shelf solution and as a reference for developing a custom carrier board to meet the target application's specifications. Gidel provides the board's design schematics and a design guide. In addition, Gidel offers tailoring services for quick development of a carrier board according to the customer's system requirements.



The off-the-shelf carrier-board solution supports: PCIe Gen.3 x16 host interface, 4 x QSFP28 for up to 400 Gb/s aggregated bandwidth, Gidel PHS connector for mounting daughterboards, and 19 x GPIOs for peripheral system control. The PHS offers up to 128 Gb/s Rx/Tx enabling, for example, to connect 8x CoaXPress-12 cameras*.

The Gidel carrier board uses only one of the three Proc10N/M connectors. The two additional connectors available on the Proc10N/M board can be used, per user design, for additional 800 Gb/s bandwidth, RDIMM interface and many additional I/Os.

*CXP-12 daughterboard is available via Gidel



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