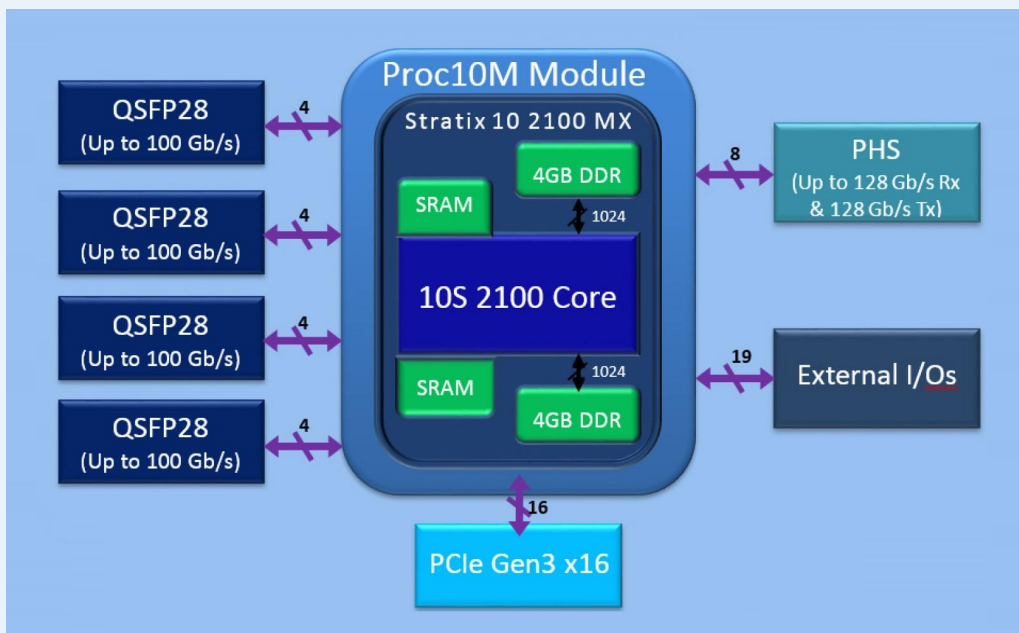


# Proc10M PCIe Carrier Board (Proc1C) for Ultra-High Performance Stratix10MX Module



Gidel's Proc10M module, based on Intel's powerful Stratix10MX 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 Proc10M Datasheet.

Gidel offers a half-length PCIe carrier board for the Proc10M 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 Proc1C 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 Proc1C carrier board uses only one of the three Proc10M connectors. The two additional connectors available on the Proc10M 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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