



Intel® Ethernet Controller E810-CAM1



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Essentials

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Product Collection	800 Series Controllers (up to 100GbE)
Code Name	Products formerly Columbiaville
Status	Launched
Launch Date	Q3'20
Expected Discontinuance	2H'30
Lithography	16 nm
Operating Temperature Range	0°C to 115°C
Operating Temperature (Maximum)	115 °C
Operating Temperature (Minimum)	0 °C

Supplemental Information

Embedded Options Available	No
Description	Ethernet Controller, 100GbE bandwidth, up to 1x100GbE connection and 2x50GbE, 4x25GbE, 4x10GbE connections




Networking Specifications

Port Configuration	Single
Data Rate Per Port	100Gb/s
System Interface Type	PCIe 4.0/3.0
NC Sideband Interface	Yes
Jumbo Frames Supported	Yes







Package Specifications

Package Size	25x25mm
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Intel® Virtualization Technology for Connectivity

On-chip QoS and Traffic Management	Yes
Flexible Port Partitioning 	Yes
Virtual Machine Device Queues (VMDq) 	Yes
PCI-SIG* SR-IOV Capable 	Yes

Advanced Technologies

Fiber Channel over Ethernet 	No
MACsec IEEE 802.1 AE 	No
IEEE 1588 	Yes
Supported Under Intel vPro® Technology	No
iWARP/RDMA 	Yes
RoCEv2/RDMA 	Yes
Intel® Data Direct I/O Technology 	Yes
Intelligent Offloads	Yes
Storage Over Ethernet	SMB Direct

More support options for Intel® Ethernet Controller E810-CAM1



Product Support



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Refer to Datasheet for formal definitions of product properties and features.

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

“Announced” SKUs are not yet available. Please refer to the Launch Date for market availability.

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