The PCIE-10GETH2-BC (Broadcom® BCM957416A4160C) is a dual-port 10GBASE-T, PCIe 3.0 x8 Host Channel Adapter (HCA) that supports RDMA (RoCEv2), UDP, and TCP 10GigE data transfers with the Atlas10 10GigE camera. This network card is fully compliant with the IEEE 802.3an standard and uses the Broadcom BCM57416 Ethernet controller with the integrated dual-channel 10GBASE-T transceiver. **Important: This RDMA HCA is not NBASE-T compatible and does NOT support 5GigE or 2.5GigE speeds. You will need to use GPIO external power to run your Atlas10 camera as this adapter does not support Power over Ethernet (PoE).**

LUCID Model Number:	Ports:
PCIE-10GETH2-BC	2 x 10GBASE-T IEEE 802.3an / 1000BASE-T IEEE 802.3ab

Other Specifications and Features:

• x8 PCI Express v3.0 compliant	• Multiqueue, NetQueue, and VMQ
• RDMA over Converged Ethernet (RoCEv2)	• IPv4 and IPv6 offloads
• SR-IOV with up to 128 VFs	• TCP, UDP, and IP checksum offloads
• Function Level Reset (FLR) support	• Large Send Offload (LSO)
• TruFlow™ flow processing engine	• Large Receive Offload (LRO)
• Virtual Network Termination–VXLAN, NVGRE, Geneve, GRE encap/decap	• TCP Segmentation Offload (TSO)
• vSwitch acceleration	• Receive-side Scaling (RSS)
• Tunnel-aware stateless offloads	• Transmit-side Scaling (TSS)
• DCB support: PFC, ETS, QCN, DCBx	• VLAN insertion/removal
• SMBus 2.0	• Interrupt coalescing
• MCTP over SMBus	• Network boot-PXE, UEFI
• PCIe-based UART and KCS	• iSCSI boot
• Jumbo frames up to 9 KB	• MSI and MSI-X
• Advanced Congestion Avoidance	Conforms to the PCI Express Card Electromechanical Specification Rev. 3.0

Package Includes:

1 x 2 Port Broadcom 10GigE RDMA HCA, 1 x low profile bracket.