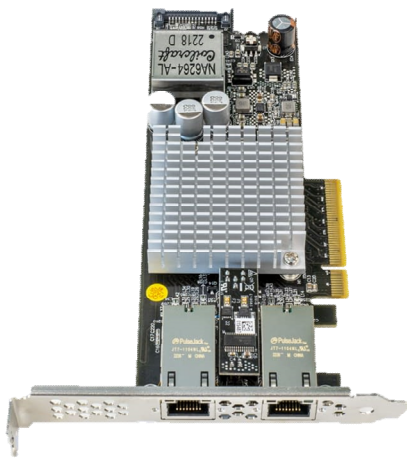




LUCID's PCIE-10GPOE2-LUCID HCA network card is a dual-port 10GBASE-T, PoE+, PCIe 3.0 x8 Host Channel Adapter (HCA) that supports RDMA (RoCEv2), UDP, and TCP 10GigE data transfers with the Atlas10 – 10GigE camera. This network card is fully compliant with the IEEE 802.3an standard and uses the Broadcom BCM57416 Ethernet controller with the integrated dual-channel 10GBASE-T transceiver. This card supports PoE+ (IEEE 802.3at) with Molex 4-pin / SATA 15-pin connectors. **Important: This RDMA HCA is not NBASE-T compatible and does NOT support 5GigE or 2.5GigE speeds.**

LUCID Model Number:

LUCID PCIE-10GPOE2-LUCID

Ports:

2 x PoE+ 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

Power Input for POE+ (IEEE 802.3at)

Step-Up 12V from the following source (A or B): A. From PCIe Slot (25 W or 75 W depends on mainboard design), B. From IDE Big 4 pin Power Connector or/and SATA 15pin Power Connector.

Package Includes:

1 x 2 Port LUCID 10GigE RDMA PoE+ HCA, 1 x low profile bracket