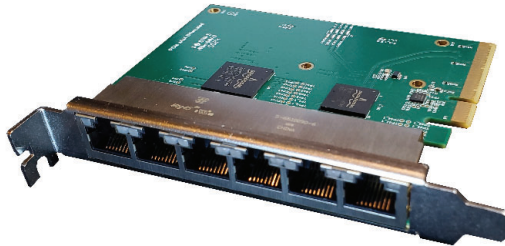


Six-Port RJ-45 Gigabit Ethernet Network Adapter

HotLava Systems' six-port copper RJ-45 Gigabit Ethernet NIC delivers maximum 1GbE port density network connectivity in a space saving form factor.



Rainier 1G6C

Highlights

- Six RJ-45 GbE ports in one adapter
- Broadcom BCM5719/20 controllers and drivers
- 12 Gbps of full-duplex bandwidth
- PCIe Gen2 (5GT/s), x8 mechanical, x4x4 bifurcated
- Energy Efficient Ethernet (EEE)
- TAA (Trade Agreement Act) Compliant

Features

I/O Virtualization supported with 17 receive queues and 16 transmit queues per port	Link aggregation and automatic load-balancing	IEEE 802.1q VLAN tagging
Support for VMware NetQueue and Microsoft VMQ	Link Auto-negotiation	IEEE 802.3ab 1000BASE-T
Jumbo Frames up to 9.6KB	MSI and MSI-X supporting independent queues	IEEE 802.3u 100BASE-TX
TCP, UDP, and IP checksum offloads	Large Send Offload (LSO)	IEEE 802.3i 10BASE-T
TCP Segmentation Offload (TSO)	Large Receive Offload (LRO)	IEEE 802.3az—EEE
TCP Segmentation Offload (TSO)	Receive Side Scaling (RSS)	IEEE 802.3x flow control
Transmit Side Scaling (TSS)	iSCSI, PXE, UEFI Boot	IPv4 and IPv6 offload

Supported Operating Systems

Windows Server 2008 through 2025	RHEL 5 through 9	vSphere/ESXi 4 through 8
Windows Client 7, 10, 11	SuSE SLES 10 through 15	FreeBSD 6 through 14
Citrix XenServer 6 through 8	Ubuntu 7 through 24.04.1 LTS	OpenBSD 5 through 7

Environmental

Operating Temp	0 to 55 °C with 100 LFM airflow	Operating Humidity	5 to 85% non-condensing
Storage Temp	-40 to 70 °C	Storage Humidity	0 to 85% non-condensing
Slot Type	PCIe Gen2, x8 mechanical, x4x4 BIOS bifurcated	Max Power Consumption	7 Watts, under maximum bidirectional 1000BASE-T traffic load
Media Connector	RJ45	Board Dimensions	4.38 in x 3.78 in

Product Name	Description / Maximum Bidirectional Aggregate Bandwidth	Part Number
Rainier 1G6C	Six-port Copper 1GbE RJ45 NIC (12 Gbps)	6C128NP0A1