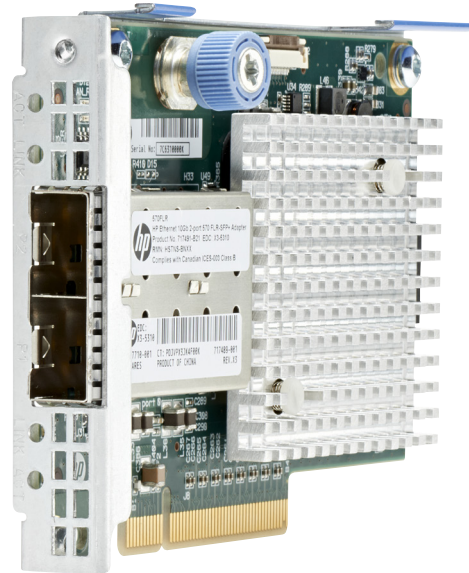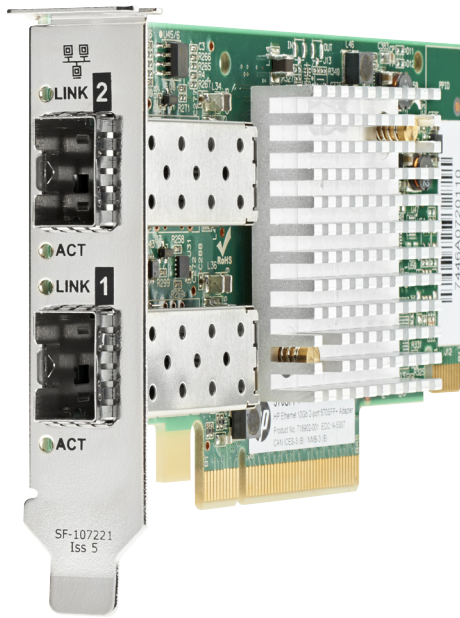# HP 570SFP+ Ethernet Adapters

## Accelerates High Frequency Trading



## HP Ethernet dual-port 10G Ethernet SFP+ Onload server adapters

The HP Ethernet 570SFP+ adapter is designed to address issues facing data center managers today. Equipped to handle increasing application loads of the latest multi-core processors, it delivers superior throughput and low latency, with minimal CPU load for the consolidation and deployment of high-density servers. The 570SFP+ supports data networking with concurrent support of iSCSI and NAS traffic – while remaining true to the need for cost effective, power-efficient and high-performance network I/O.
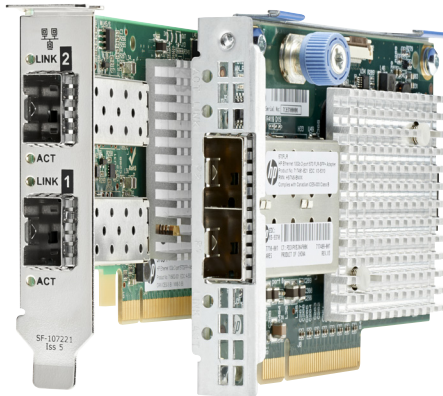
## Ideal for Financial Services Industry

HP 10GbE Server Adapters Optimized for Low-Latency, High-Performance Applications
HP 570SFP+ server adapters with Solarflare's OpenOnload® are optimized to provide the performance demanded by high-frequency trading and other high performance financial services applications. While other vendors rely on third-party software stacks, HP delivers a complete, integrated, fully tested, and fully supported solution for financial services application acceleration.

## Lowest Latency at Highest Message Rates

HP 570SFP+ accelerates TCP traffic, delivering the lowest TCP latency. This accelerates orders to exchanges or data transmitted reliably to other parties, enhancing overall performance. The capability also enables a single high-performance networking solution to be used for receiving feeds and other crucial data using UDP, and transmitting orders, confirmations, and other latency-critical data using TCP.

## Complete Application Acceleration Solution

You want the highest message rates possible with the lowest latency. But you don't want to give up predictable, consistent performance for your most demanding applications. Based on industry standards and fully compatible with existing applications and APIs The HP 570SFP+, delivers just that, achieving accelerated performance without application modifications, without propriety or double-ended protocols, and without specialized networks.

# Technical Specifications

| Hardware Features | HP Ethernet 570FLR-SFP+ Adapter | HP Ethernet 570SFP+ Adapter |
|---|---|---|
| Part Number | 717491-B21 | 718904-B21 |
| Speed | 10Gb | 10Gb |
| Supported servers | HP ProLiant DL360p Gen 8, HP ProLiant DL380p Gen 8 | HP ProLiant DL360p Gen 8, HP ProLiant DL380p Gen 8 |
| Interface Type | HP Ethernet<br><br>10Gb 2-port<br><br>SFP+ Adapter | HP Ethernet<br><br>10Gb 2-port<br><br>SFP+ Adapter |
| Ports | 2 | 2 |
| Form factor | FlexibleLOM Rack | Standard and low-profile adapter |
| Network controller | Solarflare (SFC9020) | Solarflare (SFC9020) |
| OS Support | Red Hat Enterprise Linux 5.8, 5.9, 6.2 and 6.3, SLES 10 SP4 and 11SP2 | Red Hat Enterprise Linux 5.8, 5.9, 6.2 and 6.3, SLES 10 SP4 and 11SP2 |
| Technical Specifications | x8 PCI Express 2.0 (5.0 GT/s)<br><br>Hardware and stateless offload<br><br>PCI bus power management interface (v 1.2)<br><br>Advanced Error Reporting<br><br>Jumbo Frame Support<br><br>TCP segmentation/large send offload<br><br>Preboot eXecution Environment (PXE Boot)<br><br>ACPI v2.0<br><br>SMBus 2.0<br><br>IEEE 802.1q—Virtual LAN (VLAN) tagging<br><br>IEEE 802.3x—Flow control<br><br>IEEE 802.3z (Clause 30)—Statistics for SNMP MIB II<br><br>IPv4 and IPv6 offload<br><br>Teaming support<br><br>MSI-X supports independent queues | |

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# HP Services

**When technology works, business works**
The challenge of virtually every IT organization is similar: to develop and maintain an agile, virtualized, and efficient server and network infrastructure that delivers the service levels your business needs. HP Technology Services offers a comprehensive portfolio of HP Care Pack services to help design, deploy, manage, and support your ProLiant virtualized environment.

**Minimum recommended HP Care Pack service offerings**
• 3-year, 4-hour response onsite, 24x7 hardware support

• Installation and startup services

**Enhanced service-level Care Pack service offerings**
• 3-year Support Plus 24: Integrated 24x7 hardware and software support

• HP Proactive Select: Access to HP first-rate technical consultants; purchase service credits and obtain expertise as needed

**HP Care Pack services can help you**
• Reduce deployment time for faster return on investment

• Increase uptime, performance, and server availability to your business

• Detect and diagnose problems automatically, resulting in quick repairs—saving time, money, and resources

For more information, please visit: hp.com/services/proliant

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