

# HPE Networking Comware Switch Series 5944



## What's new

- High-density, high-performance top-of-rack switch with 48 x 1/10 GbE Base-T ports and 6 x 40 or 100 GbE QSFP28 uplink ports.
- HPE FlexFabric Network Analytics solution supporting application telemetry and real time microburst congestion detection.
- HPE IMC Orchestrator and Analyzer offers enhanced network operations and centralized management with orchestration, automation, and analytical capabilities.
- Virtual Extensible LAN (VXLAN) supports greater scalability of Layer 2 and L3 overlay service and multicast.
- Industry-standard Distributed Resilient Network Interconnection (DRNI) enables device level link aggregation for simpler network topology and ease of operation.
- HPE Intelligent Resilient Fabric (IRF) technology allows greater resilience and scalability with IRF stacking.

## Overview

The HPE FlexFabric 5944 Switch series consists of high-density, low-latency top-of-rack (ToR) switches suited for deployment at the aggregation or server access layer of enterprise data centers and cloud service provider environments.

Delivering high performance switching capacity with ASICs, 10G-BaseT connectivity, Virtual Extensible LAN (VXLAN), Multiprotocol Label Switching (MPLS), and Multicast, the HPE FlexFabric 5944 Switch series offers a choice that fits your budget and delivers low TCO.

The HPE FlexFabric 5944 Switch series includes HPE FlexFabric Network Analytics that enhances visibility and network manageability with real-time telemetry collection and analysis. It also supports automated network overlay/underlay deployment with HPE IMC Orchestrator and Analyzer.

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## Features

### High Density, Advanced Data Center Switches with HPE FlexFabric Network Analytics

The HPE FlexFabric 5944 Switch Series offers a cost effective and high-density ToR switch with 48 x 1/10 GbE BASE-T ports and 6 x 40/100 GbE high speed uplink QSFP28 ports.

Supports HPE FlexFabric Network Analytics that offers real-time telemetry analysis and network operation insight with microburst congestion detection, rich congestion analytics, and buffer congestion statistics.

Support advanced orchestration capabilities, network automation, micro segmentation, and analytical insights with HPE IMC Orchestrator and Analyzer.

VXLAN support for network virtualization and overlay solutions for improved flexibility.

### High Performance Data Center Switching

The HPE FlexFabric 5944 Switch Series delivers up to 2.16Tbps switching capacity for demanding data center applications.

Supports up to 1001.7 MPPS throughput for data-intensive environments.

Low latency, under 1µs for 40GbE, delivering increased network throughput.

Supports IEEE 802.1Qbb Priority Flow Control (PFC), Data Center Bridging Exchange (DCBX) and IEEE 802.1Qaz Enhanced Transmission Selection (ETS), providing low latency for converged FCoE environments.

### Business Agility and Resilience with HPE Comware

The HPE FlexFabric 5944 Switch Series delivers scalability and enhances reliability of the network with HPE Intelligent Resilient Fabric (IRF) technology. IRF stacking enables uninterrupted L2 switching and L3 forwarding to reduce operational complexity with simpler, flatter, and more agile networks.

Distributed Resilient Network Interconnection (DRNI) enables link aggregation from multiple switches to implement device-level link backup for node redundancy. DRNI also simplifies network topology by virtualizing two physical devices into a logical device.

IRF and In-Service Software Update (ISSU) enable high availability with modular updates accomplished in the background without downtime.

### Simplicity and Lower TCO

HPE FlexFabric 5944 Switch Series simplifies switch management by up to 88% with 9-unit Hewlett Packard Enterprise Intelligent Resilient Fabric (IRF).

Supports centralized configuration, compliance and policy management, monitoring, and troubleshooting with HPE Intelligent Management Center (IMC) to provide a consistent network manageability experience.

No hidden costs with a simple one license per switch for all software features.

All switch ports are active and ready to use without the need for activation licenses.

Technical specifications		HPE Networking Comware Switch Series 5944
Ports	48 x 1/10GBASE-T ports 6 x QSFP28 100GbE ports	
Memory and processor	4 GB flash 8 GB SDRAM	
Latency	< 1 $\mu$ s (64-byte packets)	
Throughput	Up to 1001.7 Mpps	
Routing/switching capacity	2.16 Tbps, maximum	
Stacking capabilities	Up to 10 HPE FlexFabric 5944 switches	
Management features	In-band & out-of-band management CLI, Telnet/SSHv2 / FTP / HPE Intelligent Management Console (IMC)	
Input voltage	100VAC to 240VAC, or -40VDC to -60VDC, depending on installed power supplies	
Power consumption	320W maximum	
Heat dissipation	887 BTU/hr	
Product dimensions	44 x 440 x 460 mm	
Weight	10 kg	

## HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

### Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

### Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

### Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.
- **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

### Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

### HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

**Defective Media Retention** is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

### **HPE GreenLake**

[HPE GreenLake edge-to-cloud platform](#) is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product.

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