

# 10G Liquid-Cooled Switch for Campus Network Specifications



## Overview

It delivers non-blocking performance, high availability, and scalability with Multigigabit Ethernet access (2.5/5/10GbE), high PoE output with 802.3bt\*\* support as well as 10 Gigabit Ethernet Aggregation and 40/100GbE uplink options. H3C S10500X-G is a high-end Switch series designed for the core layer in intelligent Campuses and Data Centers. Powered by the H3C COMWARE 7 network operating system, the S10500X-G offers a comprehensive set of features tailored to both campus and data center environments, providing a secure and. FS Gigabit and 10Gb Switches passed Ixia RFC2544 test, available with Wi-Fi 6 compatibility, multi-gigabit, stacking, LACP, BVSS & MLAG configuration, the advanced layer 2 / layer 3 fully managed switches are ideal for SMB, enterprise, and campus networks. The new standard is 10G access with 40G/100G uplinks, VXLAN virtualization, stacking for scalability, and integrated security and wireless control. This guide explores how to design a future-ready campus network and compares three leading families of campus switches: Huawei CloudEngine S6730-H. From AI supercomputing to secure networking and hybrid cloud infrastructure, our enterprise-grade product portfolio powers some of the most ambitious organizations on the planet, in industries ranging from government research to global retail. The DXS-F3610 Series is available in two. Huawei S Series Switches fully accommodate metro core, aggregation, edge aggregation, and access networking requirements, and are capable of building an integrated Metropolitan Area Network (MAN) Interconnection Solution. Using intelligent, multi-layer switching technology, the S Series provides.

## Article Content

### DXS-F3610 Series Layer 3 10G Managed Switches

Highlights High Performance Future-proof your network with 100G uplink port speeds, forwarding rates up to 1607 Mpps, 32 MB packet buffer and 2.16 Tbps switching bandwidth

### Ruijie RG-S5310 Series Campus Switch with PoE+ & 10G Aggregation

Switches with 24/48 ports, PoE/PoE+ support, 4×10G uplinks, dual power redundancy, VSU clustering, IPv6 and robust security—ideal for modern enterprise network.

### Future-Proof Campus Network 2025 with 10G Switches

Learn how to build a future-proof campus network with 10G switches. Compare Huawei S6730-H, Cisco Catalyst 9300, and Ruijie S6510 for 2025

### Gigabit Switches, 10Gb Switches

FS Gigabit and 10Gb Switches passed Ixia RFC2544 test, available with Wi-Fi 6 compatibility, multi-gigabit, stacking, LACP, BVSS & MLAG configuration, the

### RUCKUS ICX 7650 Campus Switch Technical Specifications

The ICX 7650 is an ideal solution for future proof campus edge deployment as an underlay to support the most demanding next generation wireless infrastructure. Additionally the fiber version of the

### 10Gb Switch Concepts, Parameters, and Application Scenarios

Metropolitan Ethernet: In metropolitan Ethernet networks, the 10Gb/s Switch provides high-speed, reliable network connections for enterprise networks, intelligent transportation, digital

### Campus Network Design Guideline

Introduction Building a Campus network is more than only interconnecting physical network infrastructure devices. The most challenging

### H3C S6520X-SI Series Multi-Gigabit 10GE Switches

H3C S6520X-SI Series Switches—Industry-leading high performance and scalable 10GE access switching solution with modular dual power, fixed or modular

### Exploring the Future of AI Networking: Liquid-Cooled Switches ...

Exploring the Future of AI Networking: Liquid-Cooled Switches on the Horizon Imagine a data center where even the most powerful switches run cool and stable— without noise, thermal throttling, or

## Ruijie S6230 Series - 10G/25G Access & 100G Uplink Campus/Core Switch

The Ruijie S6230 Series redefines campus and data-center edge networks with two purpose-built models: the RG-S6231-48XT8CQ (48×10 GBASE-T + 8×100 GE) and the RG-S6232

## A Complete Guide to Select a Campus LAN Switch

Campus switches are an integral part of any network, responsible for end-to-end connectivity within any organization. Selecting campus LAN switches

## FortiSwitch Data Center Series Data Sheet

These dynamic settings demand efficient network management, monitoring, and optimization efforts while simplifying overall network complexity. The FortiSwitch campus core and data center switching

## Juniper QFX5250 Line of Switches | HPE

The world's highest-performance, liquid-cooled, Ultra Ethernet Transport ready switch designed for next-generation AI infrastructure. With 64 ports of 1.6Tbps

## Arista CCS-710HXP Industrial Campus Network Switches

With multiple mounting options, the CCS-710HXP series switches are well suited for any deployment where sound and space are as important as reliable network operations.

## TL-SX1008 | 8-Port 10G Desktop/Rackmount Switch

As the flagship 10G product, TL-SX1008 is an 8-port 10G desktop/rackmount switch, providing up to 160 Gbps of switching capacity. Reliable, lightning-fast

## L3-10XGF12: Layer 3 12-port 10G Managed Full Fiber

The L3-10XGF12 is ideal for use as core switches in large-scale data centers and core switches in campus networks. L3-XGF Series switches are available in 12

## RUCKUS ICX 7650 Campus Switch Technical Specifications

The ICX 7650 supports Ruckus Campus Fabric\* as both a Port Extender (PE) and a Control Bridge (CB) delivering unmatched flexibility, scalability and simplified management for campus network

## Ruijie RG-S5310 Series Campus Switch with PoE+ & 10G Aggregation

The Ruijie RG-S5310 Series is a robust lineup of Layer-3 access network switches for campus and enterprise applications. With models ranging from 24- to 48-port configurations, some

## Campus Network Applications: 10G SFP+ Switches vs 10GBASE-T Switches

10G switches play a vital role in the backbone of campus networks. Among them, 10G SFP+ switches and 10GBASE-T switches are widely adopted due to their respective advantages.

#### What Is a Campus LAN Switch? Benefits and Features

What matters most is that these switches can provide the services needed to run the campus network. Access Layer The access layer is the last in the three-tier

#### Campus Switches

CloudEngine S6330-H series all-featured 10GE switches are next-generation agile fixed switches with 10GE downlink and 100GE uplink interfaces. They are ideal

#### Nodexon's Core Aggregation Switch

As an access device on enterprise networks, the switch can provide GE connections for desktop applications. It can also be used as a core device on small- and medium-sized enterprise networks.

#### Ruijie RG-S5760C Switch

The Ruijie RG-S5760C Series sets a new benchmark in high-performance 10GE switches, ideal for campus aggregation or enterprise edge

#### XPO: Redefining Pluggable Optics for AI Networking

XPO represents a new class of optical pluggable module designed specifically for next-generation AI data center fabrics. Each XPO module delivers 12.8Tbps of bandwidth using 64 electrical lanes and

#### Xtreme/10G XDG205

The Xtreme/10G Managed Ethernet Switch/Router provides high density, high port count Layer 2 switching and Layer 3 routing with 10G uplinks. A total of 36

## Contact Us

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