Bandwidth Upgrade Without Rewiring: QSW-4624CM Delivers It All

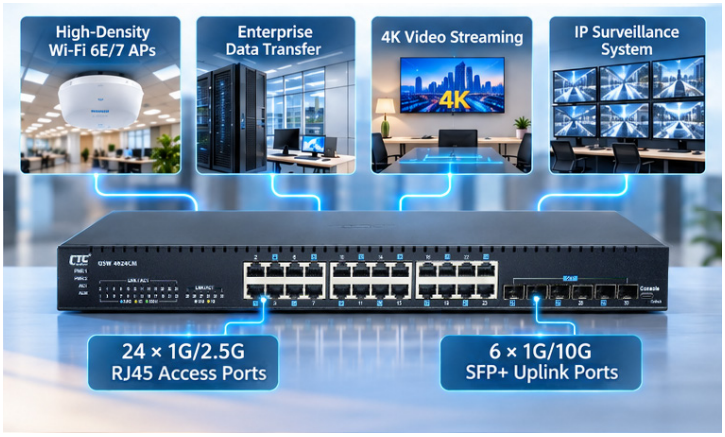
– Maximize your existing cabling investment and accelerate the move to the next generation of 2.5G Multi-Gigabit networking

As Wi-Fi 6E/7 adoption accelerates, 4K UHD video applications proliferate, and IP surveillance systems demand ever higher resolutions, traditional Gigabit networks are struggling to keep pace. For enterprises and telecom operators, the challenge isn't simply raising bandwidth. It's doing so without the cost, complexity, and operational disruption of replacing existing cabling. CTC Union's new QSW-4624CM L2+ Managed Ethernet Switch meets this challenge, enabling a smooth transition to Multi-Gigabit networking while maximizing the value of existing infrastructure.

Upgrade Without Rewiring — Get More from Your Existing Cabling

The QSW-4624CM lets organizations leverage their existing Cat5e/Cat6 cabling to raise network speeds from 1Gbps to 2.5Gbps in compatible installations (actual performance depends on cable quality and installation conditions). By reducing the need for extensive cabling upgrades, it helps lower installation costs, minimize operational disruption, and accelerate network modernization, This makes it a practical solution for office buildings and residential buildings that want to upgrade to 2.5G networking without the expense and complexity of rebuilding their existing infrastructure.

24 × 2.5G Ports and 6 × 10G Uplinks for Growing Bandwidth Demands



Equipped with 24 × 1G/2.5G RJ45 ports and 6 × 1G/10G SFP+ uplink ports, the QSW-4624CM delivers up to 240Gbps of switching capacity to support bandwidth intensive applications and expanding network requirements.

From dense Wi-Fi access point deployments in office and residential buildings to enterprise data transfers, 4K video streaming, and IP surveillance systems that require high resolution imaging, its Multi-Gigabit access ports and 10G uplinks provide the bandwidth needed to efficiently aggregate growing traffic. This flexible architecture allows organizations to scale network capacity while protecting their existing infrastructure investment.

Enterprise-Grade L2+ Management for Security, Reliability, and Control

Beyond raw bandwidth, the QSW-4624CM delivers comprehensive L2+ management to improve network efficiency, availability, and security. It supports VLAN segmentation, LACP link aggregation, STP/RSTP/MSTP loop prevention, and advanced QoS for traffic prioritization. Security features include ACL access control, IEEE 802.1X, RADIUS, and TACACS+ authentication, along with secure management via HTTPS and SSHv2.

Together, these capabilities let administrators optimize traffic flow, strengthen access control, and maintain reliable network operations across enterprise, campus, residential, and telecom environments.

One Upgrade, Three Key Benefits: Performance, Scalability, and Security

The QSW-4624CM brings together 2.5G access connectivity, 10G uplinks, and enterprise-grade L2+ management in a single platform, helping organizations increase throughput, accommodate growing applications, and strengthen access security without unnecessary infrastructure complexity.

Conclusion

Upgrading to Multi-Gigabit networking doesn't have to mean starting from scratch. With the QSW-4624CM, enterprises, telecom operators, and office or residential building operators alike can make better use of their existing infrastructure, reduce deployment costs, and minimize operational disruption, taking a simple, affordable path to faster connectivity.

Application

Related Products

L2+ Managed 2.5G Ethernet Switch

QSW-4624CM

24 × 1G/2.5G, RJ45 + 6 × 1G/10G SFP+
L2+ Managed Ethernet Switch

L2+ Managed 2.5G Ethernet Switch

QSW-4416CM

16 × 1G/2.5G, RJ45 + 4 × 1G/10G SFP+
L2+ Managed Ethernet Switch

L2+ Managed 10G Ethernet Switch

XGS-1208M

8 x GbE RJ45 + 12× 10G SFP+
L2+ Managed 10G Ethernet Switch

• The specification and pictures are subject to change without notice.

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