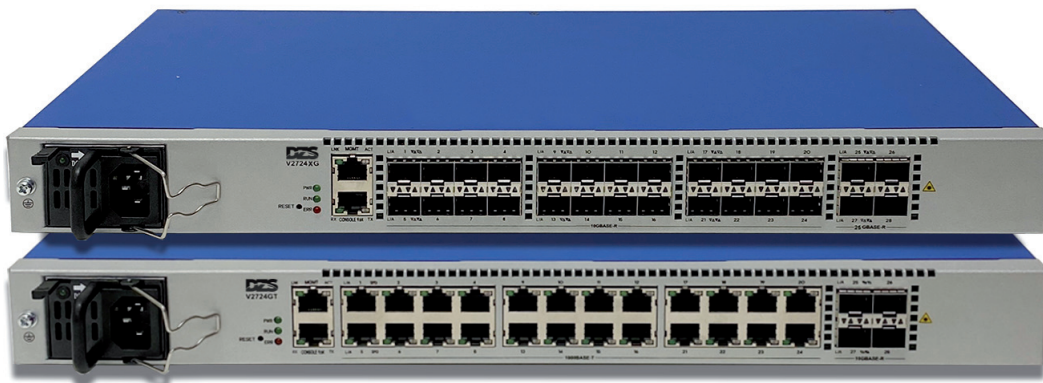


V2724

V2724 1/10 Gigabit Ethernet Access Switches

24 port Layer2 Access Switches with 1/10G optical or electrical subscriber interfaces and up to 100 Gbps total uplink capacity



V2724XG (top) and V2724GT (bottom)

Features & Benefits

- + Variants with 24x optical single fibre interfaces (1/10GE, SFP) or 24x 10/100/1000 Base-T (RJ45)
- + Uplinks via 4x 25G or 4x 10G with ring protection and link aggregation
- + Extensive Layer2 access switch functions with non-blocking switching architecture
- + Compact 1 HU chassis suitable for indoor and outdoor deployments, with AC & DC variants
- + Management via CLI or SNMPv2/v3, plus NETCONF / YANG enabled for SDN network

The V2724 is a compact Ethernet access switch optimized to enable network operators to offer high-speed broadband services easily and cost-effectively in P2P FTTH or FTTB architectures.

The switch comes in four variants, either with optical or electrical interfaces, and either 1G or 10G subscriber interfaces.

Easy and Flexible Deployment

At only 1 HU and 240 mm deep, the V2724 can easily be deployed in new or existing installations.

Due to its extended temperature range, this switch can also be installed in outdoor enclosures – all connections and service LEDs are easily accessible on the front panel. Both AC and DC powering options are supported.

Features & Benefits

Extensive access switch functionality for residential as well as business subscribers is supported, which allows Triple Play services (Internet access, video and VoIP) as well as business services.

Wide range of Layer 2 features such as for example VLAN tagging, VLAN translation, private VLAN, multicast features, QoS, L2 control transparency, rate limiting and security features are provided.

Non-blocking Switching Architecture

The V2724 offers a non-blocking switching architecture with a capacity of 340 Gbps (10G variants) or 88 Gbps (1G variants). This means that even at full capacity, it always has enough

Gigabit Ethernet Access Switch



V2724

power reserves to transmit data at wire speed, thus providing subscribers with unlimited Internet access.

Backhaul

Four dedicated ports are provided in the form of SFP28/SFP+ cages, supporting 25G or 10G backhaul links. The V2724XG/XT switch variants offer 4 ports for 25GBase-R connections.

Backhaul resilience and/or load sharing can be configured via RSTP/MSTP or link aggregation across all 4 ports.

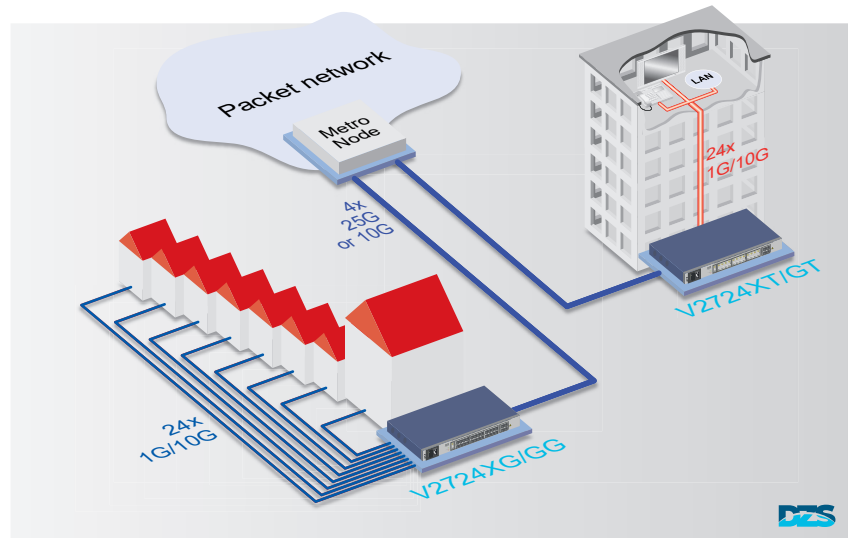
Management

Unit management can be implemented via local serial or Ethernet management ports, as well as inband management. Telnet (CLI) and SNMP v1/v2/ v3 are supported for integration with operators' network management platforms.

For integration into SDN networks, the XML-based NETCONF with a YANG data model is available as a network protocol on the switch.

Full choice of ONTs

In addition to the switches, a broad range of complementary ONT models is available, which range from simple media converters to full-featured home gateways with Wi-Fi.



Typical applications with V2724XG/GG and V2724XT/GT

Technical data

Variants	2724XG	2724XT	2724GG	2724GT
24 Subscriber interfaces	10GBase-R (SFP+)	1/2.5/5/10GBase-T	100/1000Base-X (SFP)	10/100/1000Base-T
4 Uplink interfaces	25G	25G	10G	10G
Switching capacity	340 Gbps	340 Gbps	88 Gbps	88 Gbps
Function	10G/1G L2 Ethernet access switches			
Layer2 features				
Standards supported	16k MAC addresses in MAC table, IEEE 802.1Q tagged frame with 2k VLANs, 1.5 MByte packet buffer size (internal), user port isolation, Jumbo frames with up to 9 kB, QoS, multicast, access loop identification			
Cyber security				
Standards supported	Broadcast/multicast storm control, authentication: RADIUS, TACACS+ 802.1x			
Mechanics				
Dimensions (W x H x D)	440 mm x 44 mm x 240 mm			
Management				
CLI, SNMPv2/v3	For inclusion in the OSS of network operators			
SDN	NETCONF/YANG			
Power supply				
Input voltage nominal (min/max)	2724XG	2724XT	2724GG	2724GT
Power consumption	85 W	120 W	38 W	26 W
Operation environment				
Temperature range operation/storage	-20 °C ... 60 °C (-4 °F ... 140 °F) / -40 °C ... 70 °C (-40 °F ... 158 °F)			
Humidity	0 % ... 90 % (non condensing)			



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