

# GigaSwitch V5 Family

## Contact

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## LANactive Managed Full Gigabit Ethernet FTTO Switches

- Up to 3 Uplink Ports
- 4 User Ports with full Power over Ethernet (PoE+)
- Efficient Energy Management
- Memory Card optionally
- Wide Input Voltage Range 46...57V DC or 85...240V AC

## Description

Nexans LANactive GigaSwitch V5 series is optimized for the installation in an Fibre to the Office (FTTO) environment. The latest generation of FTTO switches is equipped with state-of-the-art network processing technology and provides enhanced performance, security and redundancy features and convenient management functionality.

### Snap-In Installation

The very compact design of the GigaSwitch allows a tool-less snap-in installation into the standard 45 mm cable duct format or floor boxes.

### Power Source Equipment (PSE and PD)

Thanks to the implemented Power over Ethernet (PoE+) functionalities, devices like VoIP-Phones, Wireless-Access-Points and IP-Cameras can be directly supplied with power from the switch according to IEEE802.3at. Also, one version of the GigaSwitch act as a Powered Device and can be powered from remote.

### Memory Card

Optionally, a memory card can be used to save the complete current configuration and firmware of the switch. Additionally, the memory can be delivered with its own MAC-address that will be used by the GigaSwitch.

### Switch Management with Client Server Architecture

The new management platform allows simple and secure configuration from a centralized location. Rapid Spanning Tree, RADIUS, prioritization, security, LLDP, LACP, IGMP, CDP, QinQ, diagnostics and SNMP traps are just some of the implemented features. In combination with Nexans Device Management software, NEXMAN, a larger number of switches can be managed and monitored at the same time. NEXMAN allows automatic distribution of master configurations and firmware updates.



 Made in Germany

**LANactive**  
Switch to the future

**NEXMAN**   
Client/Controller Licence

## Standards

IEEE 802.3  
IEEE 802.3u  
IEEE 802.3ab  
IEEE 802.3af  
IEEE 802.3at  
IEEE 802.3z  
IEEE 802.3x  
IEEE 802.1AB  
IEEE 802.1D  
IEEE 802.1Q  
IEEE 802.1X  
IEEE 802.1AX  
IEEE 802.3ad



Real-Time OS  
Yes



PoE/PoE+  
Yes



Compact Design  
45x90mm



Noiseless  
Yes



Fast Installation  
Yes



Redundancy  
Yes



Operating Temperature  
0 ... 45 °C



Electromagnetic Shielding  
Yes



# GigaSwitch V5 TP SFP-VI 230VAC

## GigaSwitch V5 SFP-2VI 230VAC

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### Features

Ordering Information	GigaSwitch V5 TP SFP-VI 230VAC	GigaSwitch V5 SFP-2VI 230VAC
Article Number	88303975	88303971
<b>Interfaces</b>		
User Ports (Twisted Pair)	4x 10/100/1000 Mbps	
Uplink Ports (SFP)	1x 100/1000 Mbps	2x 100/1000 Mbps
Uplink Ports (Twisted Pair)	1x 10/100/1000 Mbps	-
Rotatable Head Module	Yes	
<b>Diagnostic Functions (Interfaces)</b>		
Digital Diagnostics Monitoring Interface	Yes	
Twisted Pair Cable Diagnostic	Yes	
<b>General</b>		
Dimensions [W x H x D]	90mm x 45mm x 69mm	
Installation Depth	35mm	
Material	zinc diecasting / stainless steel	
Colour	Pure White, like RAL 9010	
Ambient Temperature	Operation: 0 ... 45 °C, Storage: -20 ... 85 °C	
Relative Humidity	20 - 90 % (non-condensing)	
Weight	290 g	
MTBF	> 750.000 h	
<b>Power Supply</b>		
Input Voltage	85...240V AC (typ. 230V AC or 110V AC)	
Power Consumption	3.9W (standby) ... 5.0W (typ.) ... 5.7W (fully connected)	
Connector	3-pin connector with plug-in screw terminal (up to 1.5 mm <sup>2</sup> ) / (L) (N) (PE)	
<b>Switching Parameters</b>		
Switching Procedure	Store-and-Forward, self-learning	
Max. Frame Size	9.600 Bytes (Support of Jumbo frames)	
MAC-Address Table	8.192 MAC-Addresses	
<b>Management</b>		
<b>On-Board High-Performance Management</b>		
IP-Address	IPv4, IPv6	
DHCP	DHCP, DHCPv6	
VLANs	Up to 256 Groups	
Web-Interface	HTTP, HTTPS	
Command Line Interface	SSH, Telnet	
SNMP	SNMPv1, v2c, v3	
Further Management Protocols	Syslog, LLDP, CDP	
Redundancy Protocols	STP, RSTP, MSTP, MRP	
Link Aggregation	LACP	
Firmware Update	Dual Firmware Image	
Configuration Button	Yes (configuration button deactivatable)	
Reset Button	Yes (configuration button deactivatable)	
Memory Card	Micro SD-Card, optionally with fixed MAC-Address	
Console Port	Yes, V.24	
I/O Interface	Free programmable function input with alarm functionality	

# GigaSwitch V5 TP SFP-VI 54VDC

## GigaSwitch V5 SFP-2VI 54VDC

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### Features

Ordering Information	GigaSwitch V5 TP SFP-VI 54VDC	GigaSwitch V5 SFP-2VI 54VDC
Article Number	88303955	88303953
<b>Interfaces</b>		
User Ports (Twisted Pair)	4x 10/100/1000 Mbps	
Uplink Ports (SFP)	1x 100/1000 Mbps	2x 100/1000 Mbps
Uplink Ports (Twisted Pair)	1x 10/100/1000 Mbps	-
Rotatable Head Module	Yes	
<b>Power over Ethernet</b>		
Number of PoE User Ports	4x PSE (PoE+) acc. to IEEE 802.3at	
Number of PoE Uplink Ports	-	
PoE Mode	30W per Port, Mode A, Pin 1-2/3-6	
Max. PoE power budget with ext. PS	120W	
<b>Diagnostic Functions (Interfaces)</b>		
Digital Diagnostics Monitoring Interface	Yes	
Twisted Pair Cable Diagnostic	Yes	
<b>General</b>		
Dimensions [W x H x D]	90mm x 45mm x 69mm	
Installation Depth	35mm	
Material	zinc diecasting / stainless steel	
Colour	Pure White, like RAL 9010	
Ambient Temperature	Operation: 0 ... 45 °C, Storage: -20 ... 85 °C	
Relative Humidity	20 - 90 % (non-condensing)	
Weight	290 g	
MTBF	> 750.000 h	
<b>Power Supply</b>		
Input Voltage	46...57V DC (typ. 54V DC)	
Power Consumption	4.9W (standby) ... 5.3W (typ.) ... 6.0W (fully connected)	
Connector	3-pin connector with plug-in screw terminal (up to 2.5 mm <sup>2</sup> ) / (+) (-) (FPE)	
<b>Switching Parameters</b>		
Switching Procedure	Store-and-Forward, self-learning	
Max. Frame Size	9.600 Bytes (Support of Jumbo frames)	
MAC-Address Table	8.192 MAC-Addresses	
<b>Management</b>		
<b>On-Board High-Performance Management</b>		
IP-Address	IPv4, IPv6	
DHCP	DHCP, DHCPv6	
VLANs	Up to 256 Groups	
Web-Interface	HTTP, HTTPS	
Command Line Interface	SSH, Telnet	
SNMP	SNMPv1, v2c, v3	
Further Management Protocols	Syslog, LLDP, CDP	
Redundancy Protocols	STP, RSTP, MSTP, MRP	
Link Aggregation	LACP	
Firmware Update	Dual Firmware Image	
Configuration Button	Yes (configuration button deactivatable)	
Reset Button	Yes (configuration button deactivatable)	
Memory Card	Micro SD-Card, optionally with fixed MAC-Address	
Console Port	Yes, V.24	
I/O Interface	Free programmable function input with alarm functionality	

# GigaSwitch V5 TP(PSE+) SFP-2VI 54VDC

## GigaSwitch V5 TP SFP-2VI 54VDC

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### Features

Ordering Information	GigaSwitch V5 TP(PSE+) SFP-2VI 54VDC	GigaSwitch V5 TP SFP-2VI 54VDC
Article Number	88303910	88303920
<b>Interfaces</b>		
User Ports (Twisted Pair)	4x 10/100/1000 Mbps	
Uplink Ports (SFP)	2x 100/1000 Mbps	
Uplink Ports (Twisted Pair)	1x 10/100/1000 Mbps	
Rotatable Head Module	Yes	
<b>Power over Ethernet</b>		
Number of PoE User Ports	4x PSE (PoE+) acc. to IEEE 802.3at	
Number of PoE Uplink Ports	1x PSE (PoE+) acc. to IEEE 802.3at	-
PoE Mode	30W per Port, Mode A, Pin 1-2/3-6	
Max. PoE power budget with ext. PS	150W	120W
<b>Diagnostic Functions (Interfaces)</b>		
Digital Diagnostics Monitoring Interface	Yes	
Twisted Pair Cable Diagnostic	Yes	
<b>General</b>		
Dimensions [W x H x D]	96mm x 45mm x 69mm	
Installation Depth	35mm	
Material	zinc diecasting / stainless steel	
Colour	Pure White, like RAL 9010	
Ambient Temperature	Operation: 0 ... 45 °C, Storage: -20 ... 85 °C	
Relative Humidity	20 - 90 % (non-condensing)	
Weight	290 g	
MTBF	> 750.000 h	
<b>Power Supply</b>		
Input Voltage	46...57V DC (typ. 54V DC)	
Power Consumption	4.9W (standby) ... 5.3W (typ.) ... 6.5W (fully connected)	
Connector	3-pin connector with plug-in screw terminal (up to 2.5 mm <sup>2</sup> ) / (+) (-) (FPE)	
<b>Switching Parameters</b>		
Switching Procedure	Store-and-Forward, self-learning	
Max. Frame Size	9.600 Bytes (Support of Jumbo frames)	
MAC-Address Table	8.192 MAC-Addresses	
<b>Management</b>		
<b>On-Board High-Performance Management</b>		
IP-Address	IPv4, IPv6	
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Further Management Protocols	Syslog, LLDP, CDP	
Redundancy Protocols	STP, RSTP, MSTP, MRP	
Link Aggregation	LACP	
Firmware Update	Dual Firmware Image	
Configuration Button	Yes (configuration button deactivatable)	
Reset Button	Yes (configuration button deactivatable)	
Memory Card	Micro SD-Card, optionally with fixed MAC-Address	
Console Port	Yes, V.24	