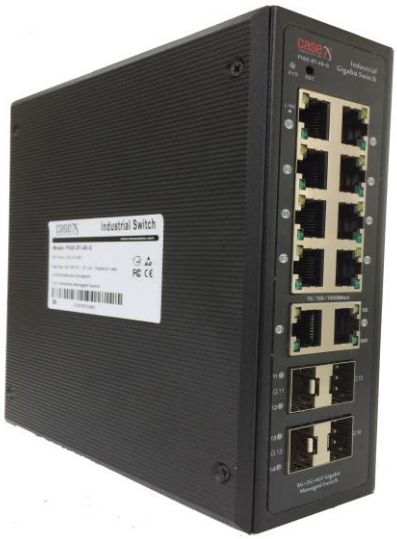
Industrial Ethernet Switches

PIGE 10T-4S-G

Fact sheet



- **TX Ports 8 x Gigabit PoE+, 2 x 10/100/1000**
- **Fibre Ports 4 x 100 / 1000 SFP Ports**
- **L2+ Features provide better management, security, 802.1Q VLAN mirroring, Port Isolation, IGMP Snooping, DHCP Snooping, LLDP, PoE+ Management, IP Source Guard, ARP Inspection, Access Control Lists**
- **STP (802.1D) and RSTP (802.1W)**
- **Jumbo frame support up to 9.6 Kilobytes**
- **Support enhanced management through WEB, CLI, TELNET, SSH, SNMP**
- **Cable diagnostics**
- **Support IEEE802.3af and 802.3at and cable PoE configuration**
- **G.8032 support <50ms ring protection**
- **48vdc (48-57vdc) dual redundant power supply using 6-pin 5.08mm-gap plug-in terminal**

Technical Specifications	
Product name	PIGE 10T 4S-G (14 Port Managed Gigabit PoE Switch)
Performance and switching capacity	
Capacity in millions of packets per second	20.83mpps
Switching Capacity	256 Gbps
Interfaces	
Ports	14 Ports – 8 Gig Tx PoE+, 2xGig Tx, 4 x 100/1000 SFP Ports
Layer 2 Switching	
STP / RSTP	Spanning Tree Protocol 802.1d, Rapid Spanning Tree Protocol (802.1w)
G.8032 ERPS	<50ms ring protection
Aggregation	LACP (Link Aggregation Protocol Protocol) IEEE 802.3ad up to 7 groups, 14 ports per group
VLAN	Up to 4K simultaneously VLAN (out of 4096 VLAN ID's) Port based / Tag based
IGMP v1 / v2	IGMP limits bandwidth hungry multicast traffic allowing only the requester to receive the data. Support for 1024 multicast groups .
Security	
SSH Secure Shell	SSH Secures Telnet traffic in or out of the switch, SSHv1, & v2 supported
Secure socket layer (SSL) HPPTS	SSL Encrypts the HTTP traffic, allowing advance secure access to the browser-based management GUI in the switch
Port Security	Locks Mac Addresses to ports, and limits the number of learned MAC Addresses
DHCP Snooping	Prevent unauthorised configuration and use of IP Addresses providing support for IP Source Guard and ARP detection
IP Source Guard	Prevents datagrams with spoofed addresses from entering the network
ARP Inspection	Prevents ARP Spoofing attacks and ARP
Storm Control	Prevents broadcast, multicast or unicast storms on a port.
ACL	Support for 256 entries. Drop or rate limitation based on source and destination MAC, VLAN ID or IP address protocol, DSCP / IP Precedence, TCP / UDP Source and Destination ports, 802.1p priority, Ethernet type, Internet Control Message Protocol (ICMP), IGMP packets TCP Flags

Web: www.casecomms.com
Telephone UK: 0845 643 0800 (local rate)
Email. admin@case.uk.com
Telephone Int: +44 (0) 1494 880 240

Date: 30.1.21
Rev 1.1

Industrial Ethernet Switches
PIGE 10T-4S-G

Fact sheet

Quality of Service			
Hardware	Support for 8 hardware queues		
Scheduling	8 Class of Service per port strict priority and weighted round-robin (WRR)		
Classification	Ingress policy; egress shaping ,and rate control per VLAN per port, and flow based.		
Management and diagnostics			
Web Gui Interface	Built in switch configuration, for browser-based device configuration (HTTP / HTTPS) Supports configuration, system dashboard, maintenance and monitoring		
Dual Image	Dual Image provides independent primary and secondary files for backup during upgrades		
Firmware Upgrade	Web Browser upgrade via (HTTP / HTTPS), TFTP and via console port		
Port mirroring	Monitoring of a port via second port, using a network analyser or RMON Probe		
Other management	Single IP address for management (HTTP / HTTPS); SSH: RADIUS, DHCP Client, SNTP, Cable diagnostics; Ping; system log; Telnet client (SSH Secure Support)		
Green Ethernet			
Green and Energy-Saving Ethernet (EEE)	Compliant with IEEE802.3az Energy Efficient Ethernet Task Force. Automatically turns off power on the Gigabit Ethernet RJ-45 ports when detecting the link is down or the client is idle. Active mode is resumed without the loss of any packets when the switch detects the link is up.		
Cable Length Detection	The switch adjusts the signal strength based on the cable length. Reduced power for shorter length cable		
General			
Jumbo Frames	Frame Size up to 9KB supported		
MAC Table	Up to 8K MAC Addresses		
LLDP	Link layer discovery protocol used by network devices to advertise their identities, capabilities, and neighbours on an IEEE 802.3 local area network		
PoE			
PoE Standards	IEEE802.3af Power Per Port 15 watts	IEEE802.3at Power per port 30 watts	
PoE Ports	8 PoE ports end-span		
Minimum Requirements			
Browser	Internet Explorer v6 or later, Mozilla Firefox version 2.5 or later		
Environmental			
Dimensions	165 x 148 x 54mm	**Weight**	1.1Kg
Temperature	Operating Temperature -40c ~ +80C:	Storage Temperature -40C~+85C	
Humidity	Operating Humidity 10% to 90% relative non-condensing		
Certification and Standards			
EMC	FCC Part 5, CE-EMC / LVD		
	EN 55024 :2010+A1 :2015, EN61000-3-2:2014, EN 61000-3-3:2013		
	EN61000-4-2 (ESD), EN61000-4-3(RS). EN61000-4-4 (EFT), EN61000-4-5 (Surge)		
	EN61000-4-6 (CS), EN61000-4-8, EN 61000-4-11, EN 55032:2015/AC:2016-07		
Vibration	IEC 60068-4-11		

Ordering Information	Description
PIGE 10T 4S-G	Industrial Ethernet Switch, 8 x Gig PoE+ Ports, 2 x Gig Tx Ports, 4 x Gig SFP ports, SNMP Management -40C ~ +80C

Web: www.casecomms.com
Telephone UK: 0845 643 0800 (local rate)
Email. admin@case.uk.com
Telephone Int: +44 (0) 1494 880 240
Date: 30.1.21
Rev 1.1