DrayTek

VigorSwitch PQ1070x

5-Port 2.5GbE 2 Ports 10Gbps SFP+ Switch with PoE+

Product Overview

VigorSwitch PQ1070x 5 Port 2.5 GbE 2 Ports 10Gbps SFP+ Switch with PoE+

VigorSwitch PQ1070x is a small, high-performance 2.5 Gigabit Ethernet switch with 5 x 2.5-Gigabit RJ-45 LAN ports and 2 x 10-Gigabit SFP+ interfaces. Use the faster 2.5 GbE ports for high-speed connections between switches, servers, and wireless access points such as the VigorAP 1062C. The 10Gb SFP+ interfaces are an ideal option for uplink purposes to connect to a router or another switch.

This lightweight, low-power network switch is easy to deploy. It's fanless operation makes it a great match for small office/desk environments.

Key Features & Benefits

2.5 Gigabit Ethernet Ports

A significant speed upgrade with faster data transfer rates. Improved bandwidth to accommodate more devices without compromising performance, providing smoother, faster, and more reliable connections.

Benefits: Ideal for high-demand applications such as HD video streaming, large file transfers, gaming, and cloud services.

SFP+ 10GbE Ports for Uplink / Fibre

Utilise ultra-fast, high-bandwidth fibre uplinks to connect to core networks, servers, or other switches with 2 SFP+ 10GbE ports. Enable faster data transfers between your device and external network infrastructure.

Benefits: Fast integration with existing network infrastructures and supporting high-volume data transfers.

Compact Form Factor

Reliable performance in a durable metal casing, ideal for smaller office spaces and suitable for easy accessibility.

Benefits: Placement option flexibility that allows for discreet and accessible display.

Low Power, High Performance

Engineered for efficiency, this switch delivers fast 2.5GbE and SFP+ connectivity with PoE+ support, offering strong performance while keeping power use low.

Benefits: Delivers fast multi-gig connectivity and dependable PoE+ power while minimizing energy consumption.

Key Specification

- 5 x RJ-45 2.5 Gigabit Ethernet Ports (2500/1000/100/10) with PoE+
- 2 x SFP+ 10GbE Ports for Uplink / Fibre
- Compact form factor
- Wall Mountable
- Fanless (Silent) Operation
- Low Power Consumption

VigorSwitch PQ1070x Models

UK Product Code	EAN	Product Name	Product Description
VSPQ1070X-K	4710484748201	VigorSwitch PQ1070x (UK/IE)	VigorSwitch PQ1070x PoE+ Switch with 5 x 2.5GbE ports & 2 x 10Gbps SFP+ slots

Technical Specification (UK Hardware Spec.)

Physical Interfaces
- 5 RJ-45 Ethernet PoE+ Ports – 10/100/1000/2500Mbps
- 2 SFP+ Ports – 1000Mbps/10Gbps
- Factory Reset Button
- AC Power Socket

PoE Specification
- 5-ports 802.3af & 802.3at (High Power) PoE PSE
- Up to 30 watts per port
- 75 Watts Total Power Budget for PoE
- Auto Detection of Powered Device (PD) and Consumption Levels
- Per Port PoE Status LED Indicators
- Port Power Consumption Monitoring via Web Interface
- Circuit Protection to Prevent Power Interference between Ports
- PoE Monitoring

QoS
- Support 4 priority queues
- Port-Based rate control (Ingress & Egress)
- Priority queue schedule (WRR or Strict Priority)
- Rate Limit
- Class of Service
  - 802.1p CoS
  - DSCP
  - CoS-DSCP

Network Security
- Storm Control (Broadcast, Unknown Multicast, Unknown Unicast)
- DHCP Snooping
- Loop Detection & Prevention

Spanning Tree
- Spanning Tree Protocol (STP)
- Rapid Spanning Tree Protocol (RSTP)

Networking Performance
- Packet Buffer size: 8 Mbit
- Switching Capacity: 65 Gbps
- Forwarding Rate: 48.36 Mpps at 64 bytes
- MAC Addresses Supported: 16,000
- Jumbo Frames up to 10KB

Multicast
- Up to 64 multicast groups
- IGMP Snooping V2/V3 (BISS)

Management
- Web User Interface (HTTP or HTTPS)
- Running/Startup/Backup Configuration
- LLDP(802.1ab)
- Firmware Upgrade/Backup by HTTP/HTTPS
- Configuration Backup/Restore
- Factory Default
- System Reboot
- SNTP (Simple Network Time Protocol)

Diagnostics
- Port Status & Usage display
- MAC Address Table
- Port Mirroring
- Port-based Cable Test

IPv4 Features
- DHCP Client
- DNS Client

IPv6 Features
- Auto Configuration
- Static IPv6 Address & Prefix Length
- Static IPv6 Default Gateway
- ICMPv6
- DHCPv6 Client

General IEEE Standards Compliance
- 802.3af PoE
- 802.3at PoE+
- 802.3 10Base-T
- 802.3u 100Base-T
- 802.3z 1000Base-X
- 802.3bz 2.5GBase-T
- 802.3ae 10GBase-X
- 802.3x Flow Control Capability
- 802.3 Auto-negotiation
- 802.3az Energy Efficient Ethernet
- 802.1q VLAN
- 802.1p Class of Service
- 802.1d Spanning Tree
- 802.1w Rapid Spanning Tree
- 802.1ab Link Layer Discovery Protocol (LLDP)

Operating Requirements
- AC Power Input Requirements: 100-240V
- AC Power supply: External (DC 56V @ 1.6A)
- Maximum Input Power Consumption: 89.6W
- Cooling: Fanless (Silent) Passive Cooling
- Operating Temperature: 0°C to 45°C
- Storage Temperature: -20°C to 70°C
- Operating Humidity: 10% to 90% (non-condensing)
- Storage Humidity: 5% to 90% (non-condensing)

Physical Specifications
- Dimensions: 175 x 114 x 32 mm (W x D x H)
- Rack mountable: No
- Wall mountable: Yes
- Weight (excluding SFP modules/cables): 1.156 kg

UKCA, ROHS & CE Compliant
Warranty:
- 2 Year Manufacturer's RTB
- Software security updates:
3 years after the EOL notification. Please note that this only applies to products sold in the UK
- Optional VigorCare Enhanced Warranty Available
  - VigorCare A3 3 Year Subscription: VCARE-A3
  - VigorCare A5 5 Year Subscription: VCARE-A5

Box Contents
- VigorSwitch PQ1070x Network Switch
- UK Power Adapter
- Mount Kit
- Quick Start Guide

All specifications are subject to change without notice. The throughput figures are maximum, based on DrayTek internal testing with optimal conditions. The actual performance may vary depending on the different network conditions and applications activated.