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# PRODUCT BRIEF

## NSW6P2Txx-W

### Web Smart Switch - Eight port TP/Fibre Ethernet switch – dual 100BaseFX ports and six 10/100BaseTX ports



#### Feature:

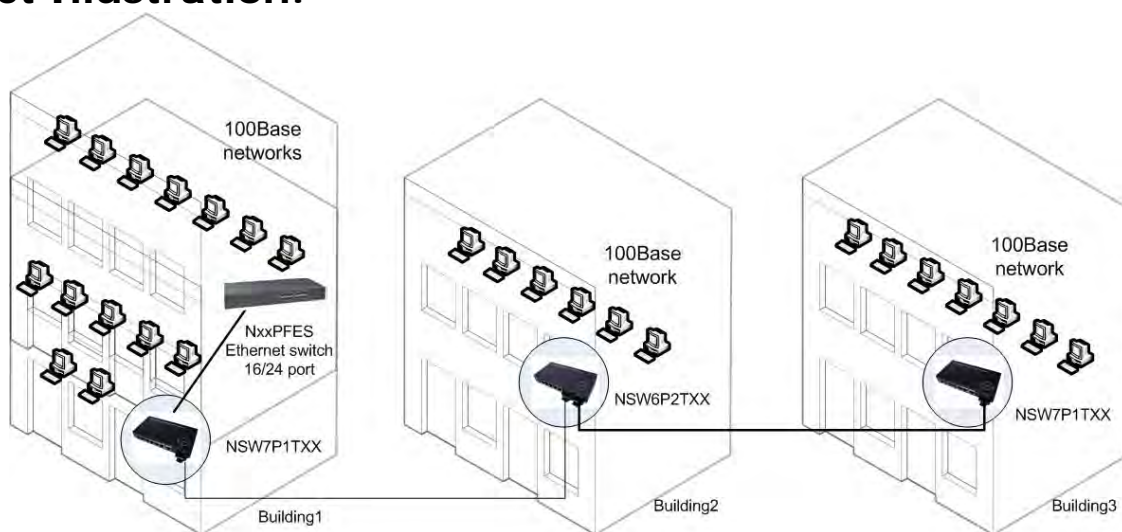
- Supports six 10/100BaseTX auto-negotiation/sensing/switchover MDI/MDI-X Half/Full duplex ports
- Supports dual 100BaseFX fibre ports, Extends network span from 2km (Multimode) and 20/40/60/80km (Single Mode).
- Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX/100Base-FX and IEEE 802.3x flow control
- Supports store and forward architecture and performs forwarding and filtering at non-blocking full wire speed.
- Supports back-pressure-based flow control for Half-Duplex and pause-frame-based flow control for Full-Duplex
- Supports Store & Forward architecture and performs forwarding and filtering at non-blocking full wire speed
- Supports port-based 802.1q VLAN supported
- Supports Port Security, Broadcast Storm control, Bandwidth Control (as FULL, 128Kb, 256Kb, 512Kb, 1M, 2M, 4M, 8M)
- Supports - Spanning tree protocol, Smart Cable Analyzer, QoS and Direct Forwarding function
- Reset switch to factory default
- Supports packet length up to 1536/1552 bytes
- Front panel mounted diagnostics LED's
- External power adaptor, low consumption
- Cost effect solution proven in Africa with local support.

The Netshield NSW6P2TXX-W Smart Web Switches fully complies with IEEE802.3/IEEE802.3u Ethernet standards and provides six auto-negotiating and auto-switchover MDI/MDI-x 10/100BaseTX ports with auto-MDI/MDIX and two 100BaseFX fibre ports which can extend the local area network. The devices are equipped with support of “store and forward” and spanning tree protocol for direct forwarding of data packets and comply with the applicable Ethernet standards. It also provides Web-based management functions including the system, port network, VLAN, Qos and security. Its intelligent management makes it is suitable for small, middle and large networks.

### Product Specifications:

Standard: 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX, 802.3x, 802.1p.  
 Fibre wavelengths: TX1310nm/RX1310nm.  
 Fibre cable: 8.3/125, 8.7/125, 9/125 or 10/125single-mode.  
 Connectors: RJ-45 Jack and Fibre optic connectors: SC connector.  
 Cable type and length: Twisted pair Cat.5 UTP Cable: 100m.  
 Switching mechanism: Store and Forward.  
 Forward and filter rate: 10Base-TX(14,880pps-64bytes), 100Base-TX/FX(148,800pps-64Bytes)  
 MAC Address and self-learning: 1K.  
 LED status Indicators: Power, Link, Activity and Speed.  
 Input Power: 100 - 240VAC , 50 to 60Hz feed into external power supply  
 Output Power: DC 5V/2A External Power supply input into unit (Maximum)  
 Power Consumption: 3.5 Watt (Typical)  
 Temperature: Operational 0°C to 60°C and -20°C to 70°C storage  
 Relative humidity: 5% to 90% non-condensing  
 Dimensions: Unit size 25(H) x 158(W) x 85(B)mm and Packaging size 52(H) x 234(W) x 200(B)mm  
 Shipping Weight: 0.65Kg

### Product Illustration:



Product matrix:

Product Code	Description	Wave Length	Connector type	Fibre type	Distance	TX min Power	TX Max Power	RX Sensitivity	Link Budget
NSW6P2T3C-W	2-Port 100M FX + 6-Port 10/100M TX Switch	1300nm	SC	Multi mode	2Km	-14dB	-8dB	-32dBm	18dB
NSW6P2TCS-W	2-Port 100M FX + 6-Port 10/100M TX Switch	1300nm	SC	Single mode	20Km	-15dB	-8dB	-32dBm	17dB