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# PRODUCT BRIEF

**NSW6P2Txx**

## 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
- 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 back-pressure-based flow control for Half-Duplex and pause-frame-based flow control for Full-Duplex
- Supports store and forward architecture and performs forwarding and filtering at non-blocking full wire speed.
- Spanning tree protocol and direct forwarding functional support.
- External power adaptor, low consumption
- Front panel mounted diagnostics LED's
- Cost effect solution proven in Africa with local support.

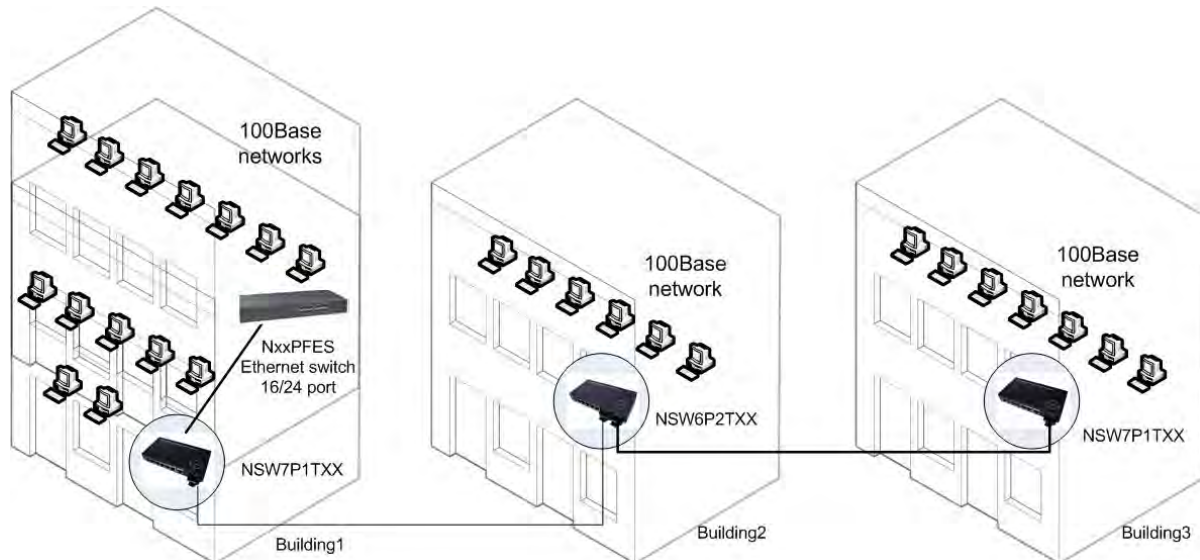
## Eight port TP/Fibre Ethernet switch – dual 100BaseFX ports and six 10/100BaseTX ports

The Netshield NSW6P2Txx 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.

### Product Specifications:

Standard:	802.3 10B-T, 802.3u 100b-Tx&100b-Fx, 802.3x, 802.1.p.
Fibre wavelengths:	TX1310nm/RX1310nm or BIDI TX1310nm/RX1550nm; TX1550nm/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:	10b-T(14,880pps-64bytes), 100b-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:	2.5 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 size52(H) x 234(W) x 200(B)mm
Shipping Weight:	645g
Emission:	FCC/CE

### 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	2-Port 100M FX + 6-Port 10/100M TX Switch	1300nm	SC	Multi mode	2Km	-14dB	-8dB	-32dBm	18dB
NSW6P2TCS	2-Port 100M FX + 6-Port 10/100M TX Switch	1300nm	SC	Single mode	20Km	-15dB	-8dB	-32dBm	17dB