

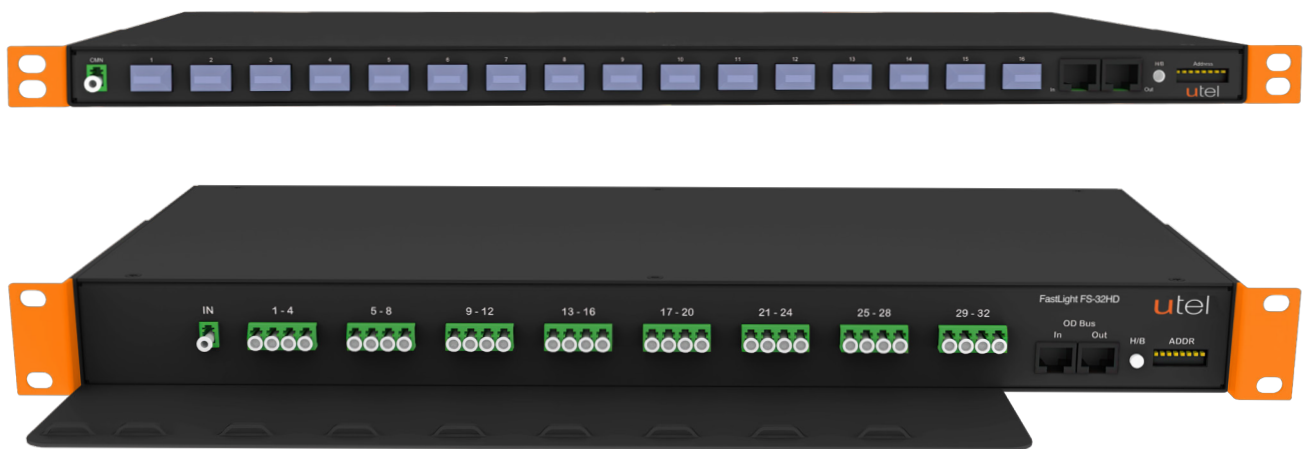
Why Utel?

For over three decades, UTEL has provided highly innovative test solutions to the global telecoms market. Based in the UK, we have expanded to serve international customers in partnership with some of the sector's leading operators.

We established our reputation in the days of copper networks, providing advanced centralised network test heads, switches and controllers servicing over 20 million lines for Europe's biggest telecoms operators. We now focus on developing products and services to support increasingly sophisticated full fibre networks.

Our fibre product portfolio includes UTEST – an innovative, centralised testing system developed to support ambitious, forward-looking operators keen to build right first time and provide high levels of customer service in the increasingly competitive FTTX market.

UTEL's optical switches are part of the UTEST system.



Applications

UTEL's range of optical switches are optimised for limited space installations, such as FTTX street cabinets. They are also suitable for central office applications and remote exchanges. The switches are used in conjunction with the UTEL 903 OTDR, ROSC and WDM Trays as part of the UTEST centralised testing system. Switches can be cascaded to increase overall port count.

Key features

- Suitable for FTTX street cabinet and central office applications
- High module density, small form factor (1U or 1½U)
- Available with 32, 64 or 96 WDM modules
- LC/APC connectors used for high port density with minimum loss
- Passive devices, no power or control systems required
- 19" rack mounting standard, 21" optional

Technical specification		
Number of ports	8, 16, 32	64, 128, 144, 256
Optical input port type	Simplex LC/APC	Simplex LC/APC
Optical output port	LC/APC	16-fibre MTP/MPO adaptor
Operating wavelength	1260~1650nm	1260~1650nm
Lifetime (switch cycles)	>100 million	>10 billion
Insertion loss	Typical 0.5-0.7dB, maximum 1dB (inc. connectors)	≤3.1dB (inc connectors)
Return loss	≥50dB	≥45dB
Channel crosstalk	≥55dB	≥45dB
Repeatability	≤ ±0.02dB	≤ ±0.02dB
Switching time	10ms to adjacent channel	≤8ms
Control interface	UTEL proprietary via OTDR or ROSC	UTEL proprietary via OTDR or ROSC
Power supply	12VDC from OTDR or ROSC	12VDC from OTDR or ROSC
Power consumption	<1W idle, <2W active	<1W idle, <2W active
Temperature range	Operating: -25°C to +55°C	Operating: -25°C to +55°C
Installation	19" or 21" rack mount	19" or 21" rack mount
Dimensions	Width: 19" Height: 1U Depth: 275mm	Width: 19" Height: ½U Depth: 280mm
Weight	3.5kg	3.5kg

Related products

UTEL 903 centralised OTDR, UTEST management software, UTEL WDM trays, UTEL ROSC.

If you'd like to learn more about how the UTEL Optical Switches and UTEST system can help optimise your network's reliability and performance, please contact us by emailing info@utel.co.uk or call +44 (0) 1473 828909.



FTTX DESIGNED PERFORMANCE...
DELIVERED IN THE REAL WORLD

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