

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 WDM trays are part of the UTEST system.



Applications

UTEL WDM trays allow the UTEL 903 OTDR 1650nm test signal to be effectively injected into the FTTX network. The ITU-standard 1650nm signal is outside the transmission wavelengths of 1310nm and 1550nm. This allows the UTEST centralised test system to be used from the early build stages to in-service without any change of equipment or interruption to service traffic.

UTEL's range of WDM trays are optimised for limited space installations, such as street cabinets. However, they are also suitable for central office applications and remote exchanges. They can be used for passive optical networks (PONs) and point-to-point networks.

WDM trays are used in conjunction with the UTEL 903 OTDR, ROSC and optical switches as part of the UTEST centralised testing system.

Key features

- Suitable for FTTX street cabinet and central office applications
- High density, small form factor (1U or 1½U)
- Available with 32, 64 or 96 WDMs
- 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

Wavelength	OTDR band 1640-1670nm OLT band 1260-1625nm
Insertion loss	Service path OLT – Network <0.6dB (inc. connectors)
Isolation loss	OTDR – Network ≥13dB OLT – Network ≥40dB
PDL	<0.1dB
Return loss	≥50dB
Directivity	≥50dB
Number of WDMs	32, 64 or 96 (96, 192, 288 front mounted LC/APC connectors)
Input port connector type	Simplex LC/APC
Output port connector type	Simplex LC/APC
Fibre type	G657.A2
Temperature range	Operating: -25°C to + 55°C Storage: -40°C to + 85°C
Installation	19" or 21" rack mount
Dimensions	Width: 19" Height: 1U (32 and 64 WDM tray) 1½U (96 WDM tray) Depth: 275mm
Weight	3kg

Related products

UTEL 903 centralised OTDR, UTEST management software, UTEL optical switches, UTEL ROSC.

If you would like to know more about how the UTEL WDM Tray 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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