

REMOTE OPTICAL SWITCH CONTROLLER (ROSC)



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 remote optical switch controller (ROSC) is part of the UTEST system.



Applications

The ROSC extends the range of the UTEST centralised testing system by enabling the optical switches to be located up to 20km from the UTEL 903 OTDR test head.

A single UTEST 903 centralised OTDR test head can support multiple ROSCs and each ROSC can support multiple optical switches, therefore extending the testing reach of the centralised UTEST system to more remote areas.

ROSCs are controlled by the UTEST software interface via IP over the internet and powered from a -48V supply, creating a local optical distribution bus (OD Bus) for power and communications to multiple switches.

Benefits

- Extends the UTEST centralised test system's range by up to 20km
- Facilitates remote testing of rural passive area networks (PONs) where a dedicated centralised test head would be uneconomical
- Reduces maintenance costs by ensuring engineering truck rolls to remote areas are to fix not find faults
- Improves mean time to repair (MTTR) for rural fibre networks

Key features

- Extends UTEST testing capability to remote locations
- A single ROSC can power up to three optical switches. If more switches are required at the remote location, the ROSC is used in conjunction with a UTEL power booster (available separately)

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Technical specification

Control interface	Ethernet, auto-negotiating 10/100Mb/sec RJ45
MTBF	20 years
Volatile memory	None
Power requirements	-48V DC 5 Watts
Temperature range	Operating: -25 ~ +55°C Storage: -40 ~ +70°C
Installation	19" or 21" rack mount
Dimensions	Width: 437mm Height: 25mm Depth: 118mm
Weight	1.1Kg

Related products

UTEST 903 OTDR, UTEL FastLight management software, UTEL optical switches, UTEL WDM Trays.

If you'd like to learn more about how the UTEST ROSC can help you 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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