

Pathfinder 'Lynxsat'

Integrated fibre optic antenna remoting solution for tactical radios

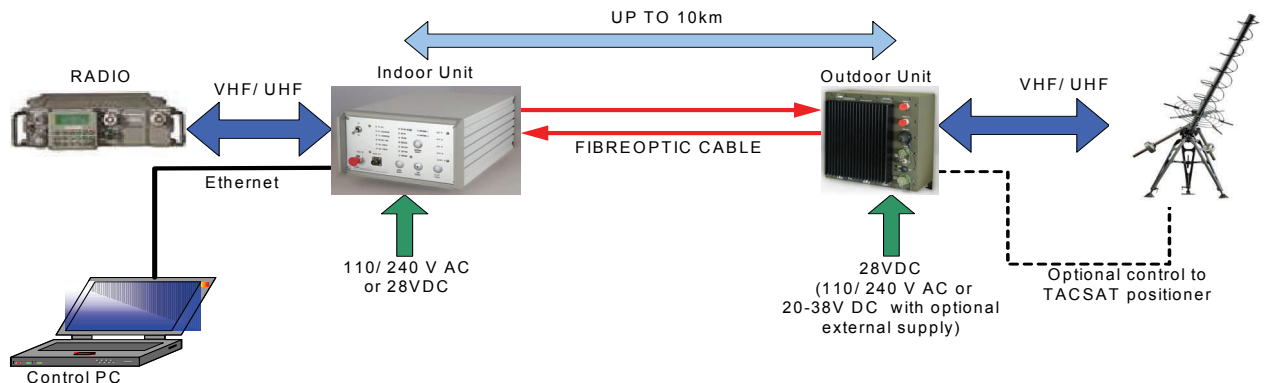
Introducing the 'LYNXSAT' RF over Fibre Solution from SystemWare Europe.

'LYNXSAT' is a fully integrated solution which enables the remote operation of UHF Satellite and V/UHF line-of-site radio links.

It is not always possible or desirable to locate your tactical radio and antenna close to each other, for example in a tall building or where there is a threat of attack from anti-radiation weapons.

'LYNXSAT' removes the need to compromise

The limitations of traditional copper coaxial cables mean that compromises usually have to be made. With 'LYNXSAT', your antennas can be located hundreds, or even thousands of metres from your radios. When used in conjunction with 'TACSAT', SystemWare Europe's Motorised UHF 'TACSAT' Antenna, full remote operation can be achieved without the need to step outside.



'LYNXSAT' BENEFITS

Provides total flexibility for locating antennas and radios.

Overcomes the distance limitations of lossy coaxial cables.

Optical fibre provides greater immunity from EMP/EMI and lightning discharges.

Fibre-optic cable simpler to route than coaxial

'LYNXSAT' FEATURES

- Fully integrated – no need for separate Tx power amplifier, low noise Rx amplifier or filters.
- Simple two-box solution.
- Fully ruggedised for demanding tactical environments.
- Optimised for UHF Satellite and V/UHF line-of-site
- Full 'over fibre' remote control of indoor and outdoor units from indoor unit front panel or a single web browser interface
- Web browser can also be used to control the optional 'TACSAT'
- Steerable UHF Satellite antenna.
- Designed to operate with all common tactical V/UHF radios.

‘Lynxsat’

Specifications:

Output power range 2W to 45W
Frequency range 30 to 512MHz (selectable bands)
Harmonics -60dBc
Spurious -65dBc
VSWR 1.2:1
Input/output impedance 50Ω
Receive LNA gain 35dB
Receive LNA noise figure < 1dB typ.
Operating temperature range - 20°C (-4°F) to 50°C (122°F) ambient
Operating humidity to 100% non-condensing
Operating altitude to 3,050m (10,000ft)

Indoor unit:

RF Connector – coaxial N female
M&C connector – ruggedised RJ45 Ethernet
Fibre-optic connector – ruggedised duplex hermaphroditic
Power supply – 28VDC and 115/230VAC, 50/60Hz
Power connectors – Bulgin Buccaneer circular
Power consumption - 25W
Dimensions – 3U High x ½ rack width x 36cm depth
Weight - 4kg (8.8lb)

Outdoor unit:

RF Connector – coaxial N female
Fibre-optic connector - ruggedised duplex hermaphroditic
Serial connector 62GB circular (for use with **TACSAT** Motorised Antenna)
Power supply – 28VDC (20-38VDC or 115/ 230VAC, 50/60Hz with optional adapter)
Power connectors – 62GB circular
Power consumption - 250W
Dimensions – 30x30x18cm
Weight - 8kg (17.6lb)

For further information, contact:

SystemWare Europe Ltd.

Email: enquiries@sysware-europe.com

URL: www.sysware-europe.com

Specifications subject to change without notice