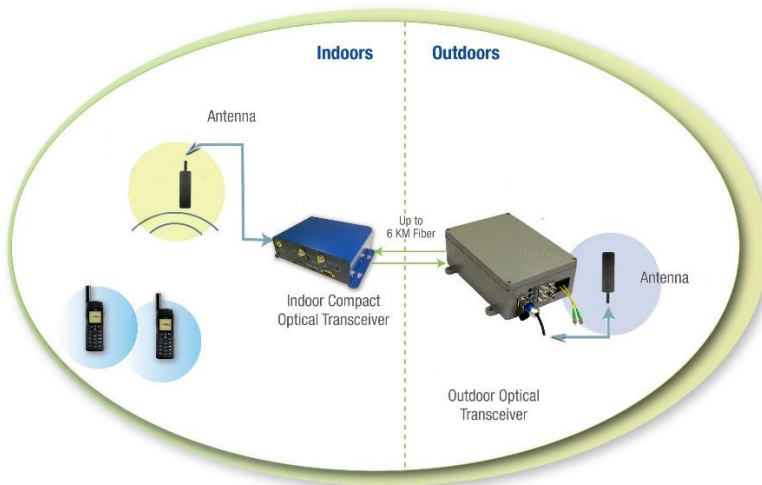




## NTN Repeater

# N256/N255 Optical-based RF Repeater Solution



## Applications

- Office buildings
- Manufacturing facilities
- Fleet managements
- Maritime
- Oil Rigs

## Product Description

Global Foxcom is offering an exclusive NTN Optical Repeater solution, which enables users to stay connected to the world at all times even if all primary communication networks are down. The NTN compatible Smartphone does not require sky view to operate, so users can remain inside in control rooms or bunkers during an emergency.

In addition, users can enjoy the many benefits that optical fiber has to offer, such as low RF transmission loss, improved signal quality, lightning protection, safety and ease of installation.

Global Foxcom's RF-over-Fiber NTN Repeater is the ideal solution for mobile satellite connectivity in any indoor location, such as a control room, an operations room and a military bunker.

The kit consists of Global Foxcom's Sat-Light G4000 series outdoor unit (ODU), a DC-powered, compact indoor unit (IDU) and dual NTN antennas. RF coax cables are also included in the package. Pre-connectorized, fiber cables are available in different lengths as an option.

Global Foxcom offers a full SATELLITE repeater solution, which includes a separate or integrated GPS system as well as Inmarsat and Iridium. For more information, contact Global Foxcom sales.

# NTN Repeater

## Specifications

### NTN Optical Repeater Specifications

#### Downlink

Frequency range	1525-1559MHz, 2170-2200MHz (N255 & N256)
ODU input / IDU output VSWR	1:1.6dBm
ODU RF input signal range [total power]	Up to -20dBm
Noise Figure]	<5dB

#### Uplink

Frequency range	1626.5-1660.5MHz, 1980-2010MHz (N255 & N256)
IDU input / ODU output VSWR	1:1.6dBm
IDU RF input signal range [total power]	Up to -20dBm
Noise Figure	<5dB

#### Optical Specifications

Required fiber type	Single SMF -28 or equivalent [single mode]
Optical wavelength	CWDM
IDU/ODU optical power output	-3dBm / 0.5mW (Min)
Optical connector	FC-APC
Fiber length	3Km max (2dB)

#### Physical Specifications

	Indoor	Outdoor
RF Connectors	Single SMA Female	Dual N-Type Female
Dimensions	Compact 20.8cmL x 13.2cmW x 6cmH	36Lx29Wx13.5Hcm
Operating temperature	-20 to +55°C	-30 to +55°C

## Ordering Information

Product Part Number	Description
NTNKIT01C	NTN Optical Repeater kit, supports Channels N255 and N256; includes compact Indoor Unit, IP65 ODU, Cables and Antennas.