

Product Information: Rev 1C, Issue Jan 2014, Revised Nov 2017

**NELLI-0727 is outdoor type directional panel antenna. NELLI-0727 has -45°/+45° polarization in both frequency ranges 698-960MHz and 1700-2700MHz.**

### KEY FEATURES

- High gain 9dBi
- All "G" operation (2G,3G,4G)
- Very wideband
- MIMO support
- Nice look
- Reliable outdoor type enclosure
- Commonly used 50Ω impedance
- Mast or wall mounting

### APPLICATION AREAS

- LTE800, LTE1800 and LTE2600
- UMTS2100
- EGSM900
- DCS1800
- WLAN2400



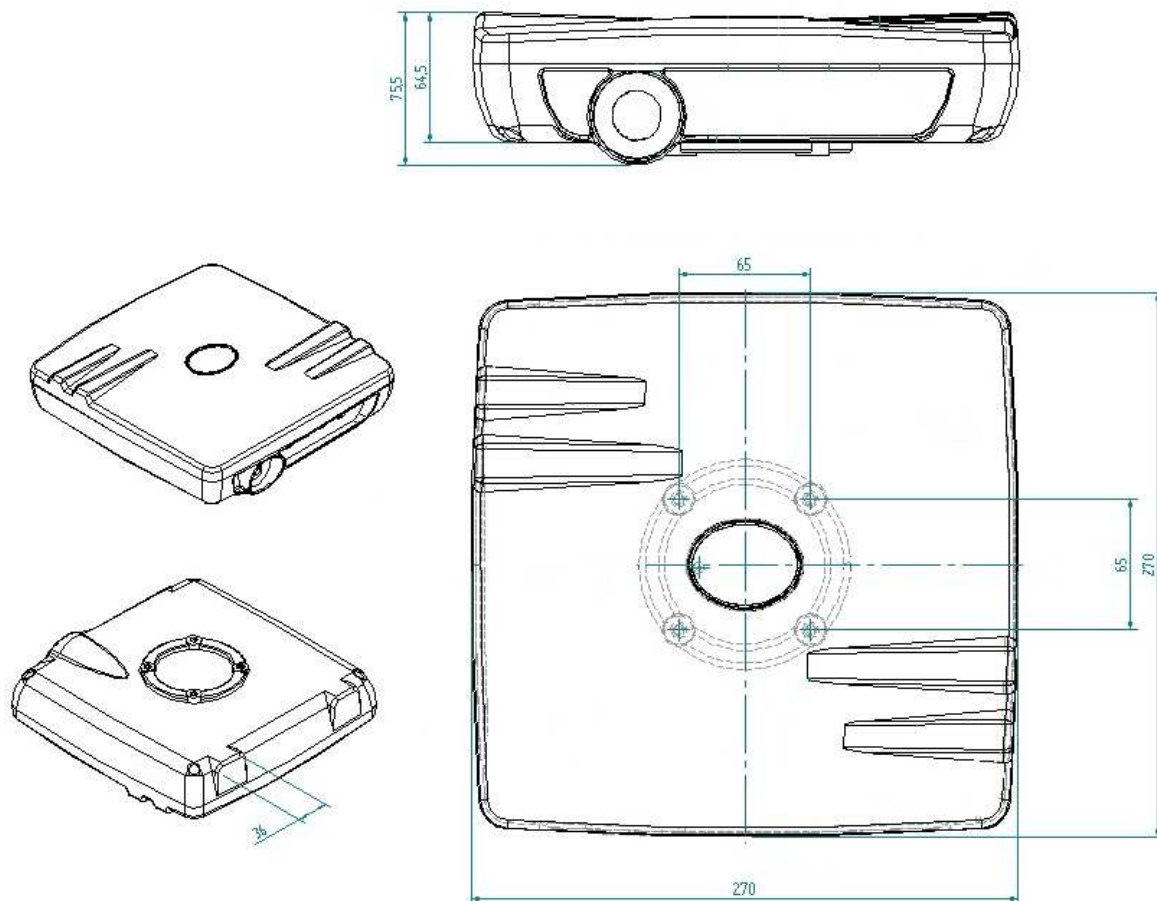
### TECHNICAL SPECIFICATIONS

Parameter	Specification
Type	Outdoor directional panel antenna <b>with built-in frequency combiner</b>
Frequency range	698-960MHz and 1700-2700 MHz
Gain:	@800MHz 2 antennas x 9dBi @1800MHz 2 antennas x 9dBi @2600MHz 2 antennas x 9dBi
Beam width @3dB:	@900MHz 50°/90° @1800MHz 50°/80° @2600MHz 50°/80°
VSWR	2.0:1 typical
Polarization	-45°/+45°
Element isolation	>15dB in low band and >20dB in high band typical
Element correlation	<0.1
Input and Impedance	2 inputs x 50Ω (See ordering information below)
Enclosure type	Outdoor; wall or mast mounting ; mast pipe diameter: max 50mm
Dimensions	See figure below
Color/Weight	Light grey/1.2kg min. (depends on length of cables)

Notes: cable and combiner losses are not included.

**NB! Mounting instruction: cable side looks down.**

**All dimensions are in [mm].**



### ORDERING INFORMATION \*

Model	Description
NELLI-0727-50SMA-7m	Antenna with length of cables 7.0m and RF connectors 50Ω SMA male
NELLI-0727-50SMA-5m	Antenna with length of cables 5.0m and RF connectors 50Ω SMA male
NELLI-0727-50SMA	Antenna with length of cables 0.5m and RF connectors 50Ω SMA male
NELLI-0727-50N	Antenna with length of cables 0.5m and RF connectors 50Ω N-type female
NELLI-0727-XX-XX	<i>Other NELLI-0727 options are available on special order</i>

\* Ask Rantelon for other parameters.

Rantelon reserves the right to change the specification without notice.