NANO
IP REPEATER

Wave Central high efficiency POE IP Mesh module covering 1.2GHz to 5.5GHz
(Available in banded options)

Wave Central's IP Repeater is a revolutionary IP Mesh module that ensures you bring IP control to your broadcast workflow, making your job easier while ensuring high quality performance. The Repeater has been designed to extend the range of Wave Central Nano IP module, allow IP control, data and intercom all around your broadcast site.

Are you finding IP Mesh radio's user interfaces too tech heavy? The IP Repeater's easy to use front panel lets broadcast engineers configure remotely and see the network's status. With autofind mode your Nano IP can search and discover your current IP mesh setup, this removes the need for manual setup.

Based around Wave Central's game-changing SOL8SDR architecture and offering up to 2x1W output power, the IP Repeater provides access to a wide range of COFDM waveforms, including the latest high datarate MeshUltra™ platform.

KEY BENEFITS

- Easy-to-use front screen
- 2x1W
- POE
- V or AB mount

NANO IP REPEATER | *KEY FEATURES*

CONNECTION

POWER	4-Pin Lemo, 2-Pin Lemo *(optional)*
IP/ETHERNET	RJ45
RF	2x N Type, Port A and Port B

POWER

POE	48V In
DC IN	9 – 18V
CURRENT DRAW	Best Case 500mA

PHYSICAL

DIMENSIONS	120mm (L including N Type) x 150mm (W) x 68mm (D including V Lock)
WEIGHT	1083g

RF PERFORMANCE

FREQUENCY BANDS	1GHz to 6GHz (In Bands)
OPERATING POWER	(RMS) 1W 30dBm
GAIN	>30dB
POWER STEP	0.25dB
TUNING STEP	125KHz
BANDWIDTH	1.25, 1.5, 1.75, 2.5, 3.0, 3.5, 5, 6, 7, 8, 10MHz (all modes) 12, 14, 16, 20MHz (MeshUltra ™)
MESH CAPACITY	Up to 87Mbps
CARRIER MODULATION	BPSK/QPSK/16QAM/64QAM (adaptive)
FEC RATE	1/2, 2/3 (adaptive)
RECEIVE SENSITIVITY	-98dBm (BW 2.5MHz/QPSK ½)

CONTROL

UNIT	Front panel + OLED display
REMOTE	Web browser UI via Ethernet

FREQUENCY BANDS

1.20GHz to 1.70GHz

1.79GHz to 2.29GHz

1.98GHz to 2.70GHz

4.40GHz to 5.00GHz

5.5GHz to 6.00GHz

ENVIRONMENT

TEMPERATURE RANGE	-10 to +50 °C
SEALING	Splash Proof

PRODUCT CODES

IPR-120170	IP Repeater 2x1W 1.20GHz to 1.70GHz
IPR-179229	IP Repeater 2x1W 1.79GHz to 2.29GHz
IPR-198270	IP Repeater 2x1W 1.98GHz to 2.70GHz
IPR-440500	IP Repeater 2x1W 4.4GHz to 5.00GHz
IPR-550600	IP Repeater 2x1W 5.50GHz to 6.00GHz

OPTIONS

POWER CABLE, LEMO TO D-TAP	CA3463