WAVE CENTRAL
A DOMO BROADCAST COMPANY

ᴐᴵᴵᴵ KEY BENEFITS

- Easy-to-use front screen

- 2x100mW

- Multiple bridged ethernet ports

- PTT or open-mic intercom

- RS232 connectivity

- Compact packaging

NANO

IP

MESH MODULE

Wave Central high-efficiency IP Mesh module covering 1.2GHz to 5.5GHz (available in banded options).

Wave Central's Nano IP 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.

Are you finding IP Mesh radio's user interfaces too tech heavy? The Nano IP'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, removing the need for manual setup.

Based around Wave Central's game-changing SOL8SDR architecture and offering up to 2×100mW output power, the Nano IP provides access to a wide range of COFDM waveforms, including the latest high data rate MeshUltraTM platform.

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NANO IP MESH | *KEY FEATURES*

CONNECTORS

Power	4-Pin Lemo, 2-Pin Lemo (optional)
IP/Ethernet	2x RJ45, 1x 7 pin 0B LEMO
Serial	7 pin 0B LEMO
USB	USB-A
Intercom	3.5mm socket
PTT	Trigger socket
RF	2x SMA, Port A and Port B

POWER

DC in	9-18V
Current draw	Best Case 650mA

PHYSICAL

Weight	180g

RF PERFORMANCE

Frequency bands	1GHz to 6GHz (In Bands)
Operating power	(RMS) 100mW 20dBm
Gain	>20dB
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 BAND

1.14GHz to 1.50GHz
1.67GHz to 2.35GHz
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

NANOIP-114150	NanoIP Radio 2x100mW 1.14GHz to 1.50GHz
NANOIP-167235	NanoIP Radio 2x100mW 1.67GHz to 2.35GHz
NANOIP-198270	NanoIP Radio 2x100mW 1.98GHz to 2.70GHz
NANOIP-440500	NanoIP Radio 2x100mW 4.40GHz to 5.00GHz
NANOIP-550600	NanoIP Radio 2x100mW 5.50GHz to 6.00GHz

KIT CONTENTS

IP MeshUltra™ mode	SDRAPP-MESH
Power Cable, LEMO to XLR	CAXXXX
Ethernet Cable	CA4362
Remote PTT cable	CAXXXX

OPTIONS

Power cable, LEMO to d-tap	CA3463
Ethernet & serial cable	CAXXXX