



The Simper Simply Perfect Radio

NO LOSS

The connection with antennas via patent pending TwistPort connector is virtually lossless.

SCALABLE

Simper is highly scalable concept of simplistic radios combined with wide range of antennas.

EASY

Deployment of Simper radio is a simple "twist and snap" to an antenna.

MULTIPLATFORM

Simper comes in multiple models running different OS. No need to migrate to new wireless platform.

SIMPLE

Simper is compact and essentially simple product delivering the best wireless performance.

COST EFFECTIVE

Simper is the best cost performing wireless networking product today.

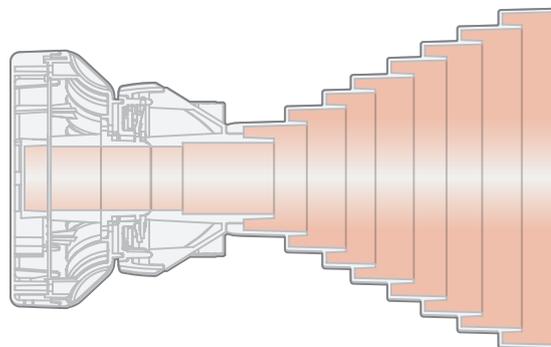
TWISTPORT CONNECTOR

Simper radios feature TwistPort Connector, our patent pending quick-locking waveguide port. Connection and disconnection is brilliantly simple and can be done with one hand. TwistPort is the key feature to Simper scalability and performance.



NO LOSS

TwistPort Connector is virtually lossless. There are no traditional RF connectors or RF cables, that cause signal loss. TwistPort compatible antenna products include Symmetrical Sectors and UltraDish TP Antennas.



SIMPER 5M-N.LITE

802.11A/N RADIO WITH TWISTPORT MOUNT

SIMPER 5M-NC is wireless client radio designed for a professional end user installation. SIMPER 5M-NC runs MikroTik RouterOS, the most advanced wireless OS. It comes equipped with an excellent 27dBm wireless, dual chain 802.11n and nv2 protocols. As a standard for Ethernet it features 10kV ESD protection. The deployment with antennas has never been easier. Just snap it to any antenna with TwistPort mounting system.



HW SPECIFICATIONS

CPU	AR9344 600MHz CPU
Memory	64MB DDR2
Hardware platform	RBSXT5nDr2
Ethernet	1 x 10/100 Ethernet port,
Wireless	802.11a/n - Dual chain - 5GHz Atheros AR9344 wireless module

OS SPECIFICATIONS

OS	MikroTik RouterOS
License level	Level3 license
Supported wireless modes	CPE, Point to Point

WIRELESS SPECIFICATIONS

Antenna port	TwistPort - Quick Locking Waveguide Port
Wireless ESD	10kV ESD protection on each RF port
Supported channel width	20/40MHz
TX/RX at MCS0 - 802.11n	27dBm / -95dBm
TX/RX at MCS7 - 802.11n	22dBm / -77dBm
TX/RX at MCS9 - 802.11ac	n/a
TX/RX at 6Mbit	not specified
TX/RX at 54Mbit	not specified
Modulations	OFDM: BPSK, QPSK, 16 QAM, 64QAM DSSS: DBPSK, DQPSK, CCK

OTHER SPECIFICATIONS

LEDs	Power LED, Ethernet LED, 5 wireless signal LED
Power over Ethernet	Power over Ethernet: 8-30V DC
Packaged power supply	24V DC 0.38A power adapter and passive PoE injector
USB	n/a
HW monitoring	n/a
Other features	Reset switch, beeper
Certifications	FCC, CE, ROHS

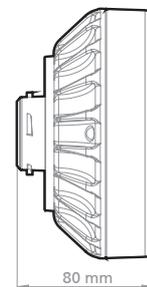
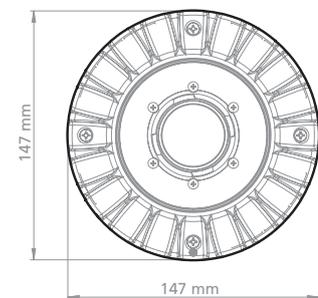
WEIGHT AND SIZE

Weight	300g without packaging, adapters and cables
Dimensions	147 x 147 x 80 mm

POWER AND TEMPERATURE

Max consumption	Max. 8W
Operating Temp	-30C .. +80C

Product Dimensions



SIMPER 5M-AC

802.11AC RADIO WITH TWISTPORT MOUNT

SIMPER 5M-AC delivers extreme throughput with its 256QAM modulation. Real measured throughput of 250Mbps of TCP data, with max 3ms latency is must have in WISP network. SIMPER 5M-AC runs MikroTik RouterOS, the most advanced wireless OS. It can operate in Point to Point, or Point to Multipoint modes. Gigabit Ethernet port is equipped with 10kV ESD protection. Enclosure is made of die cast aluminium.



HW SPECIFICATIONS

CPU	QCA9557 720MHz CPU
Memory	128MB DDR2
Hardware platform	RBSXTG-5HPacD
Ethernet	1 x 10/100/1000 Ethernet
Wireless	802.11ac - Dual chain - 5GHz QCA9882 wireless module

OS SPECIFICATIONS

OS	MikroTik RouterOS
License level	Level4 license
Supported wireless modes	AP, CPE, Point to Point, Point to Multipoint

WIRELESS SPECIFICATIONS

Antenna port	TwistPort - Quick Locking Waveguide Port
Wireless ESD	10kV ESD protection on each RF port
Supported channel width	20/40/80MHz
TX/RX at MCS0 - 802.11n	30dBm / -96dBm
TX/RX at MCS7 - 802.11n	27dBm / -77dBm
TX/RX at MCS9 - 802.11ac	22dBm / -72dBm
TX/RX at 6Mbit	31dBm / -96dBm
TX/RX at 54Mbit	28dBm / -81dBm
Modulations	OFDM: BPSK, QPSK, 16 QAM, 64QAM, 256QAM DSSS: DBPSK, DQPSK, CCK

OTHER SPECIFICATIONS

LEDs	Power LED, Ethernet LED, 5 wireless signal LED
Power over Ethernet	15-60V DC, 802.3af/at supported (Mode B. requires crossover cable)
Packaged power supply	24V DC 0.8A power adapter and passive PoE injector
USB	USB 2.0 port
HW monitoring	voltage and temperature monitors
Other features	Reset switch, beeper
Certifications	FCC, CE, ROHS

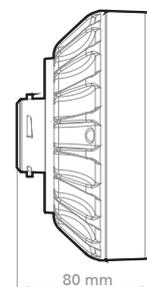
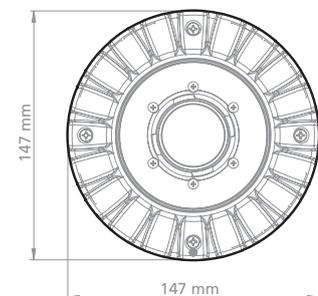
WEIGHT AND SIZE

Weight	300g without packaging, adapters and cables
Dimensions	147 x 147 x 80 mm

POWER AND TEMPERATURE

Max consumption	Max. 12W
Operating Temp	-30C .. +80C

Product Dimensions



SIMPER 5M-N.HIPO

802.11A/N HIGH POWER RADIO WITH TWISTPORT MOUNT

With output power of 1000mW, SIMPER 5M-N.HIPO excels when used for long distance links with high throughput. SIMPER 5M-N.HIPO runs MikroTik RouterOS, the most advanced wireless OS. It is equipped with Gigabit Ethernet port and can operate in Point to Point, or Point to Multipoint modes.



HW SPECIFICATIONS

CPU	AR9344 600MHz CPU
Memory	64MB DDR2
Hardware platform	RBSXTG-5HPnD-HGr2
Ethernet	1 x 10/100/1000 Ethernet
Wireless	802.11a/n - Dual chain - 5GHz Atheros AR9344 wireless module

OS SPECIFICATIONS

OS	MikroTik RouterOS
License level	Level4 license
Supported wireless modes	AP, CPE, Point to Point, Point to Multipoint

WIRELESS SPECIFICATIONS

Antenna port	TwistPort - Quick Locking Waveguide Port
Wireless ESD	10kV ESD protection on each RF port
Supported channel width	20/40MHz
TX/RX at MCS0 - 802.11n	30dBm / -93dBm
TX/RX at MCS7 - 802.11n	26dBm / -71dBm
TX/RX at MCS9 - 802.11ac	n/a
TX/RX at 6Mbit	31dBm / -92dBm
TX/RX at 54Mbit	28dBm / -77dBm
Modulations	OFDM: BPSK, QPSK, 16 QAM, 64QAM DSSS: DBPSK, DQPSK, CCK

OTHER SPECIFICATIONS

LEDs	Power LED, Ethernet LED, 5 wireless signal LED
Power over Ethernet	Power over Ethernet: 8-30V DC
Packaged power supply	24V DC 0.8A power adapter and passive PoE injector
USB	USB 2.0 port
HW monitoring	voltage and temperature monitors
Other features	Reset switch, beeper
Certifications	FCC, CE, ROHS

WEIGHT AND SIZE

Weight	300g without packaging, adapters and cables
Dimensions	147 x 147 x 80 mm

POWER AND TEMPERATURE

Max consumption	Max. 11W at 24V
Operating Temp	-30C .. +80C

Product Dimensions

