InfiLINK 2x2 R5000-Smn/5X.300.2x300.2x23

Description	InfiLINK 2x2 LITE R5000-Smn/5X.300.2x300.2x23, 5 GHz point-to-point unit, net throughput up to 180 Mbps, integrated dual-pol antenna, 23 dBi, 10x10 deg
Net throughput	up to 180 Mbps
Recommended distances	up to 20 km
Radio technology	MIMO 2x2 (OFDM 64/128)
Modulation coding schemes	from BPSK 1/2 to QAM64 5/6
Transmit power	up to 25 dBm
Receiver sensitivity	down to -91 dBm
Frequency range	4900-6050 MHz
Channel width	5, 10, 20, 40 MHz
Center frequency adjustment step	125 kHz
Duplex scheme	TDD
Antenna	23 dBi
Wired Interfaces	2x FastEthernet (PoE out)

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Consumption	up to 15 W
Power options	110-240 VAC @ 50/60 Hz, +9..56 VDC
Outdoor Unit (ODU)	305 x 305 x 61 mm, 1.9 kg

	Prefix	Freq. Band	Bitrate	Output Power	Ant.	Capacity
Part Number Options	R5000-Smn	5X	300	2x300	2x23	8 20 50 300

Part Number Example	R5000-Smn/5X.300.2x300.2x23|50
Packing List	– Outdoor unit R5000-Smn/5X.300.2x300.2x23 - 1 pcs. – Power Supply IDU-CPE(48V) - 1 pcs. – Power Cord - 1 pcs. – Cable Gland - 2 pcs. – Standard RJ-45 connector - 2 pcs. – Shielded RJ-45 connector - 1 pcs. – RJ-45 Plug Cap - 1 pcs. – MONT-KIT-85 Mounting kit - 1 pcs. – Quick Start Guide - 1 pcs.

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Features

RADIO

▶ Voice/RTP Aware Superpacketing

▶ DFS

▶ Automatic Bitrate Control

▶ Automatic Transmit Power Control

▶ TDD synchronization using AUX-ODU-SYNC (excluding Smn/Lmn)

▶ Spectrum Analyzer mode

▶ Channel testing tools

NETWORKING

▶ Ethernet-over-IP and IP-over-IP tunneling

▶ ARP protocol support

▶ MAC/IP filtering

▶ Full-fledged 2nd layer switch

▶ RIPv2 / OSPFv2 /static routing

▶ L2/L3 Firewall

▶ NAT (multipool, H.323-aware)

▶ DHCP client/server/relay

MANAGEMENT FEATURES

▶ Various Management Protocols: HTTP, telnet, SNMP v1/2c/3 (MIB-II and proprietary MIBs)

▶ Graphical User Interface

▶ LED Indication: power status, wireless and wired link status, signal level

▶ Antenna alignment tool

▶ Automatic software update

▶ Online monitoring with proprietary EMS InfiMONITOR.

QUALITY-OF-SERVICE

▶ 17 priority queues

▶ IEEE 802.1p support

▶ IP TOS / DiffServ support

▶ Full voice support

▶ Traffic limiting (absolute, relative, mixed)

▶ Traffic redirection

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Features

ENVIRONMENTAL

▸ **Outdoor Units:**
— operating temperature range -40..+60°C, (can be extended to -55..+60°C, models with "t" index in PN), 100% humidity, condensing
— IP66/IP67 compliant water and dust protection
— wind load: 200 kph, survival

▸ **Indoor Unit:**
— 0..+40°C, 95% humidity, non-condensing

SECURITY FEATURES

▸ **Storm/flood protection**

▸ **Password protection**

▸ **Secure command-line access via SSH protocol**

MAC

▸ ARP support

▸ Proactive channel testing

▸ Pseudo-radio interface:
— unique InfiNet Wireless feature to join InfiNet networks via 3rd party equipment

▸ Automatic over-the-air firmware upgrade

STANDARD COMPLIANCE

▸ Radio
— ETSI EN 301 893 v.1.7.1
— ETSI EN 302 502 v.1.2.1
— FCC Part 15.247

▸ EMC
— ETSI EN 301 489-1
— ETSI EN 301 489-17
— FCC Part 15 Class B

▸ Safety
— ETSI EN 60 950-1:2006

▸ RoHS
— Directive 2011/65/EU

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