

SkySweep Technologies

Dedicated Solutions for High Speed HF/VHF/UHF DIGITAL RADIO



SkyIPR-2

VHF/UHF IP Data Radio

SkySweep Technologies provides dedicated secure IP data radio systems (up to 1 Mbit/s) for VHF/UHF bands.

Customer own applications can also be installed on the SkyIPR-2 which based on the Windows 7 embedded operating system.

The system provides the ideal communication solution for a wide range of critical applications,

- SCADA
- Alarm systems
- Smart Grid
- Bank systems
- Military
- Public safety
- Retail

See features on back page >

Global Sales:
E-Mail: sales@skysweep.com
Tel: +358 10 3465185
Web: www.skysweep.com

SkySweep IP Data Radio SkyIPR-2

The state-of-the-art new generation radio technology up to 915.8 kbit/s gross bit rate



SkySweep IP Data Radio SkyIPR-2 for channel bandwidth 12.5, 25, 50, 100, 150 kHz

Features

Frequency bands VHF & UHF	VHF 136-174 MHz; UHF 378-470 MHz (other frequency bands by request)
Maximum Transmission Power	2 Watt (adjustable down to 100 mW)
Modulation	OFDM
Embedded platform	Windows 7 embedded
Transmission method	Half duplex
Channel bandwidth supported	12.5, 25, 50, 100, 150 kHz
Forward Error Correction FEC	Turbo Coding
SkyOFDM: 12.5 kHz (256 QAM)	60.2 kbit/s (device max. gross bit rate)
SkyOFDM: 25 kHz (256 QAM)	139.1 kbit/s (device max. gross bit rate)
SkyOFDM: 50 kHz (256 QAM)	289.8 kbit/s (device max. gross bit rate)
SkyOFDM: 100 kHz (256 QAM)	602.8 kbit/s (device max. gross bit rate)
SkyOFDM: 150 kHz (256 QAM)	915.8 kbit/s (device max. gross bit rate)
Data interfaces	2 x 10/100 Mbit/s Ethernet 1 x COM RS 232 (422, 485) 300 bit/s up to 115 kbit/s 1 x USB 3.0; 2 x USB 2.0 1 x HDMI / 1 x VGA
Operating modes	P2P (Point to Point) P2M (Point to Multipoint) M2M (Multipoint to Multipoint)
Communication modes	TCP/IP UDP/IP
Other features	Repeater (store and forward) IP Router IP Bridge Data compression
Mounting method	35 mm DIN-RAIL
Antenna-connector type	SMA-female
Power	+12,+24 V DC