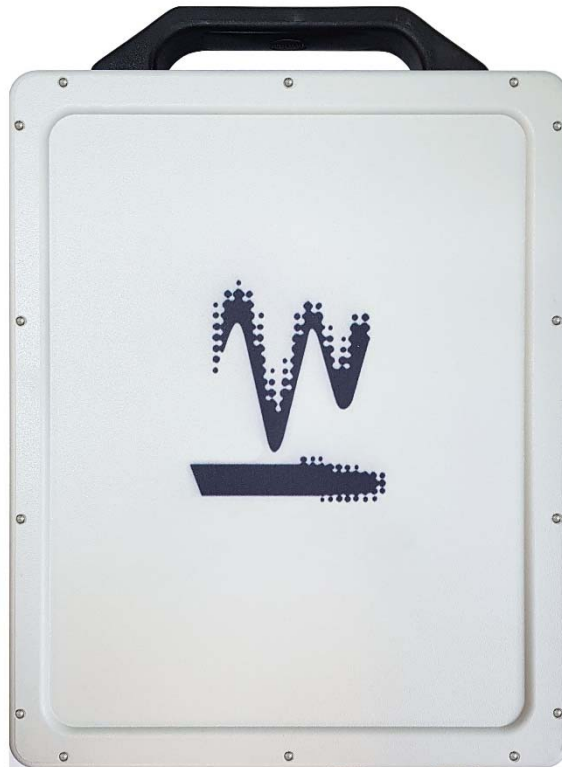




Full-Outdoor IP Radio

FNJ-RO-IP-05



Version 1
2020



Description

Fanamoj Company is one of the pioneers of wireless radio links in Iran and has designed and manufactured wide variety of licensed radio links on the 5-38 GHz bands.

FNJ-RO-IP-05 is our latest product, a license free Full-outdoor IP radio link which operates on 5 GHz band. This product was developed due the local market need for a secure, long range, industrial and reliable wireless radio link. The system provides up to 200 Mbps bitrate and ranges up to 100 km based on the antenna gain and environmental conditions.



Features

- MIMO technology for diversity mode used in unstable conditions or increasing bitrate in normal conditions
- OFDM modulation for operation in multipath conditions and dense radio environments which increases link reliability
- Up to 100 km range with high gain antenna
- Asymmetric bitrate for send and receive directions
- Capability to operate in nLOS /NLOS
- Adaptable coding and modulation
- Automatic channel selection
- Spectrum viewer
- Queue Management
- DFS (Dynamic frequency selection)
- Web user interface for installation and configuration



Technical Descriptions

➤ Back Panel



• Radio

- | | |
|------------------------|---|
| • Operating Freq. | 5250 ~ 5850 MHz |
| • Channel bandwidths | 5, 10, 20, 40 MHz |
| • Max. output power | +23dBm |
| • Bitrate | Net aggregate throughput up to 200 Mbps |
| • Modulation | MIMO 2x2/OFDM (BPSK/QPSK/16QAM/64QAM) |
| • Error correction | FEC: 1/2, 2/3, 3/4, 5/6 |
| • Security | AES 128 Encryption |
| • Duplexing Technology | TDD |
| • Max. range | Up to 100 km |
| • Power Feeding | Provided over ODU-IDU cable (PoE) |
| • Antenna Connectors | 2x N-type (f) for External Antenna (Vertical and Horizontal in Dual Polarized type) |

• Control & Monitoring

- | | |
|------------------------|--------------------------|
| Remote Connection Port | RJ45 (Ethernet 100/1000) |
| Remote User Interface | WEB, SNMP v1/v2/v3 |

• Physical

▪ Power Requirement

- | | |
|-------------------|---------------------|
| Operating Voltage | Power over Ethernet |
| Power Consumption | 25W max |

▪ Dimension & Weight

Weight 2.8 kg
 Dimensions (W x H x D) 19.7 cm x 24.3 cm x 4 cm (Width: 19 inch, Height: 1RU)

▪ Environmental

Operating Temperature -30 ~ +60 °C
 Relative Humidity IP 65

▪ Compliance

Functionality ETSI EN 302 217, EN 301 126, EN 302 326
 Power Supply:
 Safety UL60950-1, EN 62368-1
 EMC EN301 489-1, EN301 489-4

• Ordering

Model	Type
FNJ-ROIP-05	IP Radio link 5GHz



Contact Information



Email: sales@fanamoj.com



Tel: +98 21 22649616



Fax: +98 21 22205492



Address: No 17, South Ghalandari Ave, Sadr Hwy., Tehran, Iran



Telegram: @Fanamoj



WhatsApp: +98 9027101538