

HiMoNN 4R - Professional Broadband Ad-Hoc-Router in 19"-Rack Version



The HiMoNN 4R is a HiMoNN Series 4 device in 19" / 2U form factor for 19" Racks, typically used in Mobile Command & Control vehicles or in fixed installations. Functionally it is identical with the standard HiMoNN 4M, additionally it is equipped with an integrated AC power supply. The supply selection between AC and battery voltage is performed automatically based on voltage availability. The RF-Power Amplifier is supposed to be mounted close to the antenna for optimal RF-performance.

- **Wireless Interfaces**

- HiMoNN-MANET Interface: 5,15 – 5,25 GHz
(European Frequency for Public Protection and Disaster Relief, ETSI EN 302 625)
output to external, adjustable RF-Power Amplifier (30 mW – 8 W) with single coaxial cable (DC injector integrated)
- WLAN Access Point
- Cellular-/Mobile Infrastructure: LTE / UMTS / EDGE / GPRS

- **Wired Interfaces**

- 2 x Ethernet 100Base-T (RJ45)
with 1 x PoE (802.3af Type 1, Class 3 = 15.4 W @ 48V)
- 2 x USB 2.0 Type A

- **Connectivity to Wide Area Networks**

- LTE / UMTS / EDGE / GPRS
internal modem, upgradeable with 2nd modem, dual SIM
- SATCOM (external modem)
- Fixed Network
- HiMoNN Directional Radio

- **Bandwidth**
 - Up to 28 Mbit/s between HiMoNN nodes

- **Data Security**
 - User access: WPA2, WPA, WEP
 - Ad-Hoc-Network (MANET): IPSec

- **Position information**
 - GPS

- **Environmental conditions**
 - Temperature range: -20 °C bis +70 °C

- **Size excl. RF-Amplifier**
 - Standard 19", 2 U height
 - 260 x 484 x 88 mm (L x W x H)

- **Power Supply**
 - 100...230 V AC
 - 9 V...36 V DC
 - Automatic voltage selection
 - Power consumption: ca. 60 W (normal operation)

- **Delivery content**
 - HiMoNN 4R
 - RF-Power Amplifier, 8W

- **Accessories**
 - Various antennas for mobile and fixed installations
 - Tower mount for RF-Amp
 - 19" Case