

ZANOz89N | Broadband UHF Solution



Overview

The new wireless UHF solution is presented by ZANO. It is not just a common UHF radio, It is a BROADBAND RADIO which provide wide range of frequency band from 400MHz to 900MHz. Z89N provides good performance in Line of Sight (LOS) and Non Line of Sight (NLOS) condition, in point to point and point to multipoint configuration. Optimization of the coverage and bandwidth could be obtained easily by the flexibility and variety of its antennas.

Features

- Portable equipment with light weight and low power consumption.
- High standard weatherproof and waterproof outdoor enclosure.
- High power output for longer distance and broader coverage.
- Point to point links and point to multipoint links dual mode selectable
- Robust structure in high speed mobility up to 50KM/H.
- AC and DC dual mode adaptable power supplies.
- High signal sensitivity for a better performance.
- The best in the crowded and obstacle area.
- Iron-clad and multiple security access.
- Support triple play and convergence network.

Applications

- Municipality Access.
- Oil and gas Industry.
- Military communication.
- Mining Operation.
- Police Department.
- Telco Operators.
- Banking.
- Government.
- Others.



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| Model | Z89N |
| Radio type | Spread Spectrum |
| Modulation | DQPSK, CCK |
| Central Frequency | 750MHz (400MHz~900MHz, or customized) |
| Operating mode | point to point, point to multipoint |
| Transmission rates | 11, 5.5, 2, and 1 Mbps, with auto fallback |
| Receive Sensitivity | -83dBm @11Mbps |
| Number of channel | 1 |
| Connectors | 10/100Base-T RJ-45 and UHF Radio N-type Female |
| Output power | 37dBm (max.) |
| Security | 128-bit WEP encryption |
| Software support | SNMP-based network management tools |
| Operation system | Windows 98/Me/NT4.0(SP4 or above)/2000/XP |
| Environmental Requirements | Operating Temperature: -20°C to 60°C Storage Temperature: -30°C to 80°C Humidity: 5% to 95%, non-condensing |
| Dimensions | 262 × 193 × 110mm |
| Weight | 5.8kg |
| POWER requirement | AC 100V-240V 50/60Hz 2A (MAX), or DC48V, 2A (MAX) |
| Antenna | Omnidirectional, Sectoral and Unidirectional |
| Gain | 5.5dBi |
| VSWR | ≤1.5 |
| Impedence | 50 Ω |
| Polarization | Vertical |
| Power limitation | 100W |
| Connector | N-type Male |
| Length | 50cm |
| Weight | 180g |
| Wind enforced | 60m/s |
| Mounting | Φ 80 stainless steel magnet mount |

Distributor