

NEXEDGE NX - 820 KENWOOD

NX-820 equipment, is a GPS and voice transmission system for orders, with digital modulation and encrypted transmission. This system features a maximum capacity of forty ports permitting various configurations.

Comprised of a Key Service Unit, expansion boards, electronic keysets and conventional single line telephones, the NX-820 offers a flexible control of telephone communications.

This product is used in Autotracking system when is required to transmit the position of the plane's GPS at long distances for the automatic pointing.

It allows transmission at distances higher than 250 kilometers.



KRA-40G
GPS Active Antenna



FEATURES

- 25 W (400-470 MHz) Models
- Meets ETSI EN Standards
- 260 CH-GID
- 10 Character Alphanumeric Aliases
- Backlit LCD & Keys
- Function / Status LCD Icons
- Transmit / Busy / Call Alert / Warn LED
- Blue Function / Status LED
- On / Off Power Control
- 4 Up / Down Selectors
- With Speaker Audio
- Zone / CH Number Voice Announcement
- DB-15 Accessory Connector
- MIL-STD-810 C/D/E/F/G
- IP54 Water & Dust Intrusion
- Built-in GPS Receiver Models
- Magnetic GPS Antenna

DIGITAL - GENERAL

- NXDN® Digital Air Interface
- AMBE+2 VOCODER
- 6,25 - 12,5 kHz Channels
- GPS Location with Voice
- NXDN® Scrambler Included



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MAIN SPECIFICATIONS

GENERAL

Frequency Range Type 1		400 - 470 MHz
Number of Channels		260
Channel Spacing	Digital	6,25 / 12,5 kHz
Operating Voltage		13,2 V DC (10 - 36 V DC)
Operating Temperature Range		- 30°C to +60°C
Frequency Stability		± 1,0 ppm
Antenna Impedance		50 Ohm.
Dimensions (W x H X D)		160 x 43 x 136 mm
Weight (net)		1,4 kg
Applicable Standards	ETSI R&TTE ETSI Safety	EN 300 086, EN 300 113, EN 300 219, EN 300 440*4 , EN 301 489, EN 301 166 EN 60065, EN 60950-1, EN 60215

RECEIVER

Sensitivity (Digital)	3% BER	0,00028 mV
Audio Distortion		Less than 3%
Audio Output		4 W / 4 Ohm

TRANSMITTER

RF Power Output	25 W max
Spurious Emission	-36 dBm < 1 GHz, -30 dBm > 1 GHz
Modulation Distortion	Less than 3%

GPS

TIFF (Time to First Fix) - Cold Start	< 60 seconds
TIFF (Time to First Fix) - Hot Start	< 10 seconds
Horizontal Accuracy	< 10 meters
Position Transmission	Every 3 seconds