ne**x**ion

Unified Communications **-** Remote Data Solutions

NX6350 | *Smart*PATCH

TRANSCEIVER CONTROLLER - GNSS - PATCH

FEATURES

- Tri-Mode Transceiver Audio/Serial Controller

- Audio Bridge with RadioPATCH functionality

- P25 Tier 2 GPS Location Services[4]

- Codan® Envoy™ DHF / LRDR support

- Sensitive GNSS (GPS + GLONASS) Receiver

- USB Programming / Configuration

- Optional Garmin® Nuvi™ Messaging and Navigation interface[4]

BRIDGING NETWORKS

The Nexion NX6350 *Smart*PATCH is designed to 'join' HF/VHF/UHF networks with Conventional or Trunked P25 networks using a variety of connectivity methods, including audio, serial (RS-232), I/O control and DTMF signalling.

The NX6350 combines a powerful GNSS (Global Navigation Satellite System) receiver, providing simultaneous reception of both GPS and GLONASS satellites for high-sensitivity and unsurpassed Urban Canyon performance.

SYSTEM CONNECTIVITY

GNSS Antenna

Pager

Conventional,
P25 or Trunked

Codan® DHF

X10DR®

Garmin® Nuvi™

SPECIFICATIONS

Number of Ports	2x Transceiver, Auxiliary/X10DR®, Garmin®, GNSS and USB
Analogue Connectivity	Audio I/O - 600 Ohm (-10dBm nominal, software controlled)
Analogue Routing	3-Way, User Configurable
Digital Connectivity	RS-232, Busy, PTT and GPIO
Transceiver Control	Via DTMF (Portable Radio) or 2x GPIO on X10DR®
Voice Annunciations	Yes – On all three Analogue Ports
Calling / Routing Modes	Customer Based Rules (System/Standards Compatible)
Paging Function	512bps POCSAG (limited to 5 watts TX Power)[4]
Main-Processor	32bit ARM Cortex-M4 Microcontroller
Co-Processor	PMR Audio (CTCSS / DTMF) and Data Processor[4]
GNSS Receiver	72 Channel GPS/GLONASS u-Blox® M8 Engine -167 dBm GPS Tracking & Navigation Sensitivity Under 30 second TTFF for Cold Starts (open sky)
Operating Temperature	-20°C to +60°C
Relative Humidity	95%, non-condensing
Primary Power / Consumption	11-16V DC operating range, <100mA (Power Save Off)
Size	84mm(W) x 28.5mm(H) x 105mm(L)
Weight	220g