



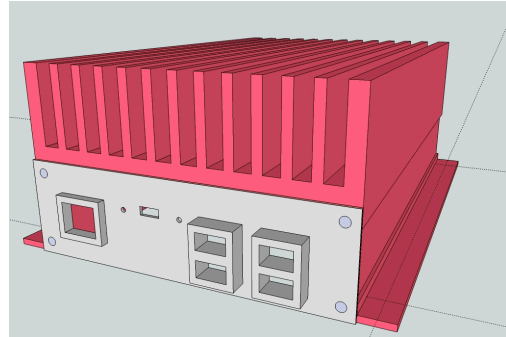
NW Digital Radio

UDRX-440

Universal Digital Radio

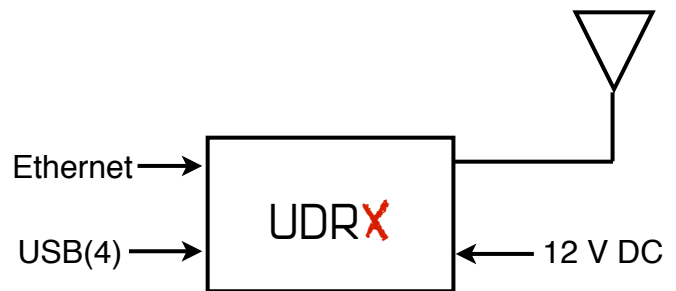
Features:

- 25 W, 70 cm Transceiver
- Open Source Linux Platform
- Packet and D-STAR
- Browser Interface over Ethernet
 - Control from any Device
- 4 USB Host Ports to add:
 - GPS
 - WiFi: Infrastructure or AP
 - Telemetry/WX
 - 2m Radio via TNC or Soundmodem
 - Storage



Applications:

- Winlink Client, Gateway
- APRS Tracker, IGate
- D-STAR Gateway
- D-STAR DD Digital Data
 - DV w AMBE Card Option



Specifications:

Tx Rx Frequency: 430 to 450 MHz
• Stability: +-2.5 ppm
Receiver Sensitivity, BER 10-3
• 4k8 -113 dBm
• 9k6 -110 dBm
• 56k -100 dBm
Adjacent Channel Rejection: 40 dB
Tx Output Power @ 13.8 V DC
• 25, 10, 5 W
Spurious Signal: -60 dBc
TX/RX Switch: < 10 msec
Modulation: FSK, GMSK

RF Connector: Type N
• Independent TX,RX optional
DC connector: RAST5

• Quick connect compatible
• 2 m Cable supplied
Current Consumption @ 13.8 V DC
• Receive: < 0.5 A
• Transmit 25 W: < 6 A

Processor: Marvell 88SV331x
• 1065 BogoMIPS
256 MB DDR3 SDRAM
Internal 4 GB Micro SD-Card
RJ45, 10/100 Ethernet
4 USB A, Host Connectors
• 2A total maximum current

L x W x H: 180 x 120 x 80 mm
Weight: 0.6 kg
Temperature:
• -40 to +60 °C
• SD Card 0 to +60 °C
• Extended Temp SD Card optional
• PA Module Limited to +80 °C

Pre-Installed Software:

Debian Linux 3.4 w AX.25 Stack
node.js
Paclink-UNIX
RMS GW
APRX
UDR-Tracker
ircDDB Gateway

Supported Browsers:

Websockets Required
Windows XP
• Chrome, Firefox
Windows 7, 8
• IE 10, Chrome, Firefox
Mac OS X, iOS
• Chrome, Firefox, Safari
Linux, Android
• Chrome, Firefox, Opera