



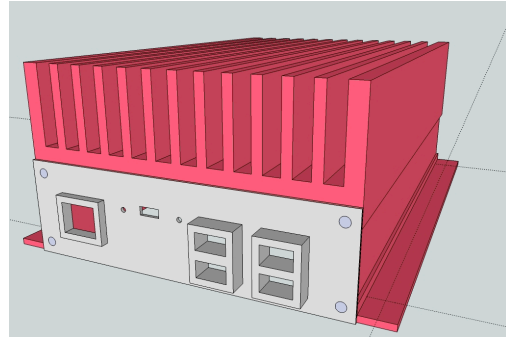
NW Digital Radio

UDRX-440

Universal Digital Radio

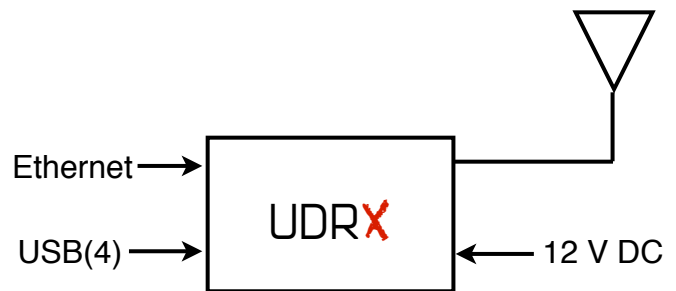
Features:

- 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