

ALWAYS CONNECTED WHEN IT MATTERS MOST.



The PXdragon DR-9400 ensures reliable communication in all emergency scenarios – fully independent of mobile networks or the internet.



EARTHQUAKES



FIRES



WAR ZONES



FLOODS



SOLO NAVIGATION

NEXT-GENERATION PACTOR MODEM

- ✓ **Emergency-ready:** Reliable communication in all emergency scenarios
- ✓ **Independent:** Works without mobile networks, internet, satellites or servers
- ✓ **Versatile:** Supports a wide range of radio communication standards
- ✓ **Connected:** Modern interfaces for seamless integration
- ✓ **Robust:** Built for demanding environments and continuous operation
- ✓ **Compact:** Lightweight and easy to deploy anywhere
- ✓ **Optional AES-256 encryption** (lic. required)
- ✓ **Interface cables** available for most popular transceivers

Supported Operating Modes:

- PACTOR-1 / -2 / -3 / -4
- PACTOR Monitor
- Packet Radio (9k6 G3RUH, 1k2 AFSK)
- Robust Packet Radio (RPR)
- APRS (Automatic Beaconsing)
- Weather-FAX (Receive only)
- RTTY (Receive only)

Processor:

ARM v8 Quad-Core @ 1.8 GHz

Operating System:

PXdragon Buildroot Linux (real-time processing)

User Interfaces:

- USB-C
- LAN
- WIFI*
- Bluetooth*

*note: optional USB dongle + Licence required

GPS Interface:

- Balanced, isolated GPS input (supports both TTL levels [3.3V / 5V] and V.28/RS-232)
- NMEA sentence decoder
- Software-switchable signal polarity
- Alternatively, USB GPS receivers ("GPS mouse") are supported, bypassing the hardware input.

(The hardware input is mainly for compatibility with legacy DR-7X00 modems.)

Storage:

Industrial grade MicroSD card

Transceiver Audio Interface:

- Input impedance: 44 k Ω
- Input level: 30 mV to 6.6 V p-p
- Output impedance: 1 k Ω
- Output level: 30 mV to 5.0 V p-p

Status Indicators:

10 dual-color LEDs (green/red) indicating key operational states

Controls:

- Toggle switch (Power On/Off)
- RESET button

Time Base:

Temperature-compensated oscillator (TCXO), 1 ppm accuracy

Power Supply:

- Voltage: 12 V to 30 V DC
- Current consumption: 270 mA @ 13.8 V (typical), up to 1 A (max)

Dimensions:

168 × 45 × 100 mm

Weight:

470 grams

