ER2025 Product Specification Sheet

Eridan is a U.S.-based wireless technology company revolutionizing telecommunication networks. The company's patented and made in America radio enables more efficient cellular networks that provide better coverage with fewer towers and less power required. This benefit comes from Eridan's **Ultra-Clean Signal™ Technology**, achieving higher data rates out to the cell edge. In private 5G, this means a simpler, better-performing network, empowering any enterprise to keep their devices connected and improve the efficiency of their technological investment.

Eridan's **ER2025** product is a 2T2R, 40MHz bandwidth, n41 O-RAN 7.2a Outdoor Radio Unit. It is FCC certified as a n41 radio. It contains two patented Direct Polar Transmitters built in Gallium Nitride. Additional bands are under development on this platform, including n78 (3.3-3.8GHz TDD), and n79 (4.4-5GHz TDD). Eridan has several ecosystem partners to provide a complete 5G solution.



Port	Specification
ANT1	TX/RX N-type Port 1
ANT2	TX/RX N-type Port 2
SFP+	eCPRI 10G SFP+ Fiber
ETH	1Gb RJ45 (optional)
POWER	-48V DC

Parameter	Specification
Weight	2.5kg, 5.6lbs
Dimensions (WxDxH)	276 x 82 x 183mm 10.8 x 3.2 x 7.2in
Operating Temperature	-40° to 55°C
Mounting	Pole or wall mount
FCC	FCC Part 27
3GPP	Release 17

Parameter	Specification
ORAN Interface	7.2a
RF Frequency Range	n41 (2496-2600MHz)
Instantaneous Bandwidth	20MHz, 40MHz
Power Supply	-48V DC
Power Consumption	40W typical
MIMO Order	Up to 2T2R
Transmit Output Power (average)	23.5 +/- 2dBm (at antenna port)
EVM	**1.5% EVM 256QAM**
Modulation Support	256QAM DL / 256QAM UL **1024QAM DL option available**

The ER2025 is available to purchase directly from Eridan.
Contact sales at eridan.io/contact-us/