



JLink LTE

Radio Transceiver



Key Features

- 1 W UHF Transceiver
- RTCM Corrections
- Cooling Fan
- Encoding Options
- Cellular, Wi-Fi, Bluetooth
- LAN & USB
- Internal Li-Ion Battery (optional)
- Integrated GNSS

JLINK LTE combines a 1 W UHF transceiver with cellular, Wi-Fi, and Bluetooth to ensure reliable communication in the field.

It delivers RTCM corrections through direct links or network connections and includes GNSS for location awareness.

Simple configuration and management make deployment quick, while the optional internal Li-Ion battery ensures uninterrupted operation. Compact and versatile, JLINK LTE is a practical solution for all-day fieldwork.

Radio Transceiver	Frequency Range	400 - 476 MHz
	Channel Spacing/Bandwidth	25 / 12.5 / 6.25 kHz
	Modulation Schemes	4FSK, 8FSK, 16FSK, GMSK
Radio Transmitter	RF Output Power	+15... +30 dBm in 1 dB step
	Carrier Power Stability	+1 dB / -2 dB
	Duty Cycle	Up to 100%
Radio Receiver	Sensitivity (BER 1x10 ⁻⁴) 25 / 12.5 KHz CB	4FSK: -113 / -115 dBm
		8FSK: -111 / -112 dBm
		16FSK: -102 / -104 dBm
Modem	Interface DSP	TTL-UART
	Data Speed of Serial Interface	9600 - 115200 bps
	Data Rate of Radio Interface (25/12.5 CB)	4FSK: FEC OFF 19200 / 9600 ; FEC ON 14400/7200 bps
		8FSK: FEC OFF 28800 / 14400; FEC ON 19200/9600 bps
Air Interface Encryption	AES128 / AES256	
Status/Interface	Button	Power (battery version)
	LEDs	Power, UHF, Cellular, Bluetooth/Wi-Fi
Wireless I/O	Wi-Fi	5GHz and 2.4GHz, 802.11 a/b/g/n/ac (R-SMA)
	Bluetooth	Bluetooth 4.1 Compliance and CSA2 Support Dual-Mode and LE (R-SMA)
	Cellular	4G LTE Cat-7 with 3G fallback (NAM and EMEA, APAC) (SMA)
Wired I/O	LAN	Full-duplex 10BASE-T/100BASE-TX (DB26)
	USB	High-speed USB 2.0 (480 Mbps) dual-role port (DB26)
	Serial	1 x RS232 / RS422/RS485 up to 460.8 kbps (DB26)
Power	Input Voltage	+5.5...36V DC, 4Amax; +12...34V when the battery is charged, 3.6Amax
	Internal Battery	1 x embedded, 7.2V, 5.850 Ah
	Operation Time	7 hours
GNSS Receiver	Tracking Channels	GPS/GLONASS L1
	Signals Tracked	C/A Code
	Cold / Warm Start	42 / 30 seconds
	Sensitivity for Reacquisition	-161 dBm
Physical	Material	Aluminum
	Dimensions	147 x 76 x 44 mm / 147 x 82 x 81 mm (with battery)
	Weight	468 g / 970 g (with battery)
Environmental	Operating Temperature	-45°C to +70° C
	Storage Temperature	-45°C to +85°C
	Humidity	100%
	Ingress Protection	IP68
Compliance	R&TTE	ETSI EN 300 113-2 / ETSI EN 301 489-5 / EN 60950-1:2006
	Industry Canada RSS-119; FCC Part 90	

Refer to the user manual for full specifications.

GNSS performance is dependent on signal quality, satellite geometry, ionospheric and tropospheric conditions, baseline length, multipath effects and RF interference. Specifications may be changed without notice.