

“LYNX”[®]

Legend L8

866 CHANNELS GNSS RECEIVER



Lawrence & Mayo
ESTD. 1977

www.lynxinst.com

Specifications

MEASUREMENTS	GPS	L1, L2, L5
	GLONASS	L1, L2
	BDS	B1, B2, B3
	GALIEO	E1, E5a, E5b
	QZSS	L1, L2, L5
	SBAS	L1
	Data format	NMEA-0183
	Differential format	RTCM 2.X, RTCM3.X
	Positioning rates	MAX 20Hz
	Re-acquisition time	<1s
POSITIONING	Cold start	<40s
	Autonomous	Horizontal: 1.5m Vertical: 3.0m
	DGPS	Horizontal: 0.4m Vertical: 0.8m
	Static	Horizontal: 2.5mm + 0.1 ppm
		Vertical: 5mm + 0.1 ppm
	Speed	0.03m/s
	RTK	Horizontal: 7mm + 1 ppm
		Vertical: 14mm + 1 ppm
	Time	20ns
	DATA STORAGE	Storage
Differential		RTCM2.3, RTCM3.X, RTCM3.2, CMR, CMR+
Data security		Multi channel to store and backup RTK measurement data
COMMUNICATION	Bluetooth	V4.2 dual mode (BT/BLE)
	E-bubble	Support
	IMU	Up to 60°
	GSM	LTE-TDD/FDD/TD-SCDMA/UMTS/EVDO/CDMA1x/GSM
	WIFI	802.11 b/g/n
	UHF	External radio: 5W/35W Switchable
		Internal radio: 0.5W/1W Switchable
		Frequency: 410-470MHz
		Protocol: TrimTalk, TrimMark3, SOUTH, PCC-EOT
	BATTERY	Capacity
Battery life		Typically >15h
Operating temp		-20 ~+70
ENVIRONMENTAL	Storage temp	-40 ~+85
	Humidity	100%
	Shockproof	Survive a 2m pole drop onto concrete
	Ingress protection	IP67
PHYSICAL	Material	Magnesium alloy housing + ABS/PC top cover
	Dimension	Ø15.6*10.2cm
	Interface	4 LED indicators, 2 buttons, i-voice
ACCESSORIES	L8 GNSS receiver	1X
	Power adapter	1X
	7pin cable	1X
	Radio antenna	1X