



## Elpro Radio Telemetry series- key product features.

These radios and I/O modules have found themselves a firm and well established favourite with many UK Utility companies. They benefit from unique flexibility in usage, exceptional reliability, and ease of use. All of the RM105, 115-S series (expansion I/O) series and RM 505 series are fully inter-operable.

Spotcom are able to offer a full package of required hardware and services to compliment the range, along with our respected free-of-charge support, if needed.

The following table illustrates many of their key features.

Key Elpro EL105/115/505 Radio Telemetry Range- Standard Features.		EL105U-1,2,3,4, EL105U-L-T,R EL505U-K, EL505U-2-E,B EL105U-G-ET1, MD,PR1, PR2 EL115S-11,12,13	
Digital Inputs/ Outputs	Yes	All units	
Analogue Inputs/ Outputs	Yes	Not 105U-G, 105U-4, 115S-11	
Pulse Inputs/ Outputs	Yes	Not EL105UL-R	
Comms Fail configurable at Rx Base	Yes	All Rx units	
Comms Fail configurable at remote Unit	Yes	Not EL505, EL105L-T	
Encrypted Digital Transmissions	Yes	All Units	
Acknowledged Transmissions	Yes	Not EL505, EL105L-T	
Backup battery Charging facility	Yes	All 105U Units	
Internal Solar panel charge regulator	Yes	105U-1.2.3.4.	
Modbus serial interface	Yes	EL105U-G-MD1	
DF1 serial interface	Yes	EL105U-G-MD1	
Profibus Master Interface	Yes	EL105U-G-PR2	
Profibus Slave Interface	Yes	EL105U-G-PR1	
Modbus TCP Interface	Yes	EL105U-G-ET1	
Modbus Master Interface	Yes	EL105U-G-MD1	
Ether IP interface	Yes	EL105U-G-ET1	
Expandable system	Yes	All units	
Expandable I/O Node count (with EL-115S)	Yes	All Units	
Compatible with Low power EL505	Yes	All units	
Multiple Mapping ability	Yes	All Units	
10 to 15 year service life	Yes	All units	
5 Year Warranty	Yes	All Units	
Removable Connectors	Yes	All Units	
Visible Diagnostic LED's	Yes	All units	
Industrial standard Alloy case	Yes	All 105/505 Units	
Easy, FOC configuration Utility, / doc gen	Yes	All units	
RS 232 configuration	Yes	All Units	
58 to 72 MHz option (licenced)	Yes	longer distance/ Terrain	
148 to 174 MHz option (licenced)	Yes	longer distance/ Terrain	
450 – 470 MHz option (licenced)	Yes	Not 505K, 105U-L*	
458 MHz option ( licence free, UK, Ireland*)	Yes	Not 505K, 105U-L*	
868 MHz option (licence free, Europe)	Yes	Not 505U-2*	
Pre-configured- operation straight out of the box	Yes	EL105U-L-P1 and P2 kits only	
Ethernet Wired connectivity	Yes	EL115E-2	
Industrial quality and Life	Yes	All units.	

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