

Intelligent 4G & 5G Routers

Jola offers a range of intelligent 4G & 5G routers which provide high speed connectivity for M2M and IoT applications. They are all IoT gateways, with built-in intelligence. Our models are competitively priced and available to order via Mobile Manager. Routers can be sent directly to site with a Jola SIM and will auto-configure when first powered on.

Mobile Manager Client

All models arrive with our Mobile Manager Client pre-loaded. It was developed to provide integration between our Mobile Manager portal and our Robustel / Teltonika routers. Mobile Manager Client auto-configures the APN and delivers real-time data to the Mobile Manager platform.

Features	Potential Benefits
Standard SMS Reboot	Available on all devices and enables remote reboot of the router and SIM via SMS.
Multi-network SIMs	Multi-network SIMs connect randomly to one of the networks available to them. Many suppliers state that roaming SIMs themselves will automatically connect to the 'best' available network which is simply not true. Our routers can enable the customer to see the networks available and the relative performance of those networks. Customers can then manipulate the random network selection in different ways.
Intelligent	Jola has invested significant time to working with router manufacturers' SDKs, developing unique software solutions that deliver value by enabling zero-touch auto-config, enhanced security and the option to deliver custom configurations as required.
Global routers	Our routers work in multiple countries and have a range of different certifications for different regions/countries. The data sheets have the detail of this and the radio bands they work with.
Jola Healthcheck App	A proprietary app that Jola has developed which proactively reboots the device if offline based on parameters under the control of the user.
Warranty	A 2-year warranty is provided for peace of mind.
EU manufacture	Teltonika routers are manufactured in the EU for those customers that have this requirement.

Contact us

For further information
call us on 0115 822 5000
email sales@jola.co.uk
or visit www.jola.co.uk



HARDWARE	R1510	R1520 (V)	R1520 (G)	R1520 (S)	R5010 (5G)	R5020 (5G)	R5020 Lite (5G)	EV8100	RUT200	RUT901	RUTX50	OTD500
Robustel Part Number	B048701	B056708	B056701	B056703	B113001	B064802	B098004	B126002	RUT200 *1****	RUT901 0*****	RUTX50 0*****	OTD500100000
Cellular	4G (LTE Cat 4)	4G (LTE Cat 4)	4G (LTE Cat 4)	4G (LTE Cat 4)	5G & 4G (CAT19/ CAT18 LTE)	5G & 4G (CAT16 LTE)	5G & 4G (CAT16 LTE)	4G (LTE Cat 4)	4G (LTE Cat 4)	4G (LTE Cat 4)	5G & 4G (LTE Cat 20)	5G & 4G (CAT19/ CAT18 LTE)
Ethernet Ports	2 x FE (2L or 1L+1W)	5 x FE (5L or 4L+1W)	5 x FE (5L or 4L+1W)	5 x FE (5L or 4L+1W)	1 x 2.5Gb	4 x GE (4L or 3L+1W)	2 x GE (2L or 1L+1W)	2 x FE (2L or 1L+1W)	2 x FE (1L + 1W)	5 x GE (1W+4L)	4 x FE (1W+3L)	2 x GE (can we W or L)
WiFi	WiFi (2.4G 802.11b/g/n)	WiFi (2.4G 802.11b/g/n)	WiFi (2.4G 802.11b/g/n)	WiFi (2.4G 802.11b/g/n)	No	WiFi (2.4GHz & 5GHz 802.11ac)	WiFi (2.4GHz & 5GHz 802.11ac)	WiFi (2.4GHz & 5GHz 802.11ac)	WiFi (2.4G 802.11b/g/n)	WiFi (2.4G 802.11b/g/n)	WiFi (2.4GHz & 5GHz 802.11ac)	No
Interfaces	1 x DI, 1 x DO	1 x RS232 & RS485, 1 x AI, 1 x DI, 1 x DO (& 1 x USB primarily for config)	1 x RS232 & RS485, 1 x AI, 1 x DI, 1 x DO (& 1 x USB primarily for config)	1 x RS232 & RS485, 1x AI, 1 x DI, 1 x DO (& 1 x USB primarily for config)	1 x USB for power and data	1xRS232 & RS485, 1 x DI, 1 x DO (& 1 x USB primarily for config)	1xRS232 & RS485, 1 x DI, 1 x DO (& 1 x USB primarily for config)	1xRS232 & RS485, 4 x DI(Wet contact) + 1 x Relay (Dry contact) & 1 x USB primarily for config	1 x DI, 1x DO	1 x DI, 1x DO	1 x DI, 1x DO, 1 x USB	No
Cellular Connectors (4G/5G/LTE)	2 x SMA-K	2 x SMA-K	2 x SMA-K	2 x SMA-K	4 x SMA-K	4 x SMA-K	4 x SMA-K	2 x SMA-K	2 x SMA-K	2 x SMA-K	4 x SMA-K	No
Cellular (4G/5G/LTE) Antennas Included?	Yes (x2)	Yes (x2)	Yes (x2)	Yes (x2)	Yes (x 4)	Yes (x4)	Yes (x4)	Yes (x 2)	Yes (x 2)	Yes (x 2)	Yes (x 4)	Yes (x4 internal)
WiFi Connectors	1 x RP-SMA-K	2 x RP-SMA-K	2 x RP-SMA-K	2 x RP-SMA-K	No	2 x RP-SMA-K	2 x RP-SMA-K	2 x RP-SMA-K	1 x RP-SMA female	2 x RP-SMA female	2 x RP-SMA femal	No
WiFi Antennas Included?	Yes (x1)	Yes (x1)	Yes (x1)	Yes (x1)	No	Yes (x2)	Yes (x2)	Yes (x 2)	Yes (x 1)	Yes (x 2)	Yes (x 2)	No
FXS Interface	No	Yes	Yes	No	No	Yes	No	Yes x 1 (2 pin connector)	No	No	No	No
GPS Interface	No	Yes	Yes	No	No	Yes	No	No	No	No	Yes	No
GPS Antenna	No	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	No	Yes - Included with router	No	N/A	No	N/A	Yes - Included with router	No
Batteries For Inbuilt Battery Compartment	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes- 2 x 18650 batteries included	N/A	N/A	N/A	No

HARDWARE CONT'D	R1510	R1520 (V)	R1520 (G)	R1520 (S)	R5010 (5G)	R5020 (5G)	R5020 Lite (5G)	EV8100	RUT200	RUT901	RUTX50	OTD500
CPU / Memory	Atheros: max. 650MHz	Atheros: max. 650MHz	Atheros: max. 650MHz	Atheros: max. 650MHz	Qualcomm SDX62	Atheros: max. 880MHz	Atheros: max. 880MHz	ARM Cortex-A7	Atheros: max. 580MHz	Atheros: max. 580MHz	Atheros: max. 717MHz	MediaTek 880MHz
	Flash: 16MB	Flash: 16MB	Flash: 16MB	Flash: 16MB	Flash: 110MB	Flash: 32MB	Flash: 32MB	Flash: 8GB	Flash: 16MB	Flash: 16MB	Flash: 256MB	Flash: 256MB
	Expand Flash by adding Micro SD card? Not available	Expand Flash by adding Micro SD card? Not available	Expand Flash by adding Micro SD card? Not available	Expand Flash by adding Micro SD card? Not available	Expand Flash by adding Micro SD card? No	Expand Flash by adding Micro SD card? Yes	Expand Flash by adding Micro SD card?: No	Expand Flash by adding Micro SD card? No	Expand Flash by adding Micro SD card? Not available	Expand Flash by adding Micro SD card? Not available	Expand Flash by adding Micro SD card? Not available	Expand Flash by adding Micro SD card? Not available
	RAM: 64MB	RAM: 128MB	RAM: 128MB	RAM: 128MB	RAM: 192MB	RAM: 256MB	RAM: 256MB	RAM: 512MB	RAM: 128MB	RAM: 128MB	RAM: 256MB	RAM: 256MB
SIM Size / eSIM	2FF (Mini)	2FF (Mini)	2FF (Mini)	2FF (Mini)	2FF (Mini)	2FF (Mini)	2FF (Mini)	2FF (Mini)	2FF (Mini)	2 x 2FF (Mini)	2 x 2FF (Mini)	2 x 2FF (Mini) & Consumer eSIM
Dual SIM	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes (& eSIM)
Dual Radio Modules?	No	No	No	No	No	No	No	No	No	No	No	No
Enclosure	Flame retardant plastics, IP30	Flame retardant plastics, IP30	Flame retardant plastics, IP30	Flame retardant plastics, IP30	Metal, IP30	Metal, IP30	Metal, IP30	Flame retardant plastics, IP30	Aluminium housing /plastic panels - IP30	Aluminium housing /plastic panels - IP30	Metal, IP30	Plastic (PC & ASA), IP55 Ingress Protection
	91.5x91.5x30.8 mm	105x90x46 mm	105x90x46 mm	105x90x46 mm	30x94x100mm	125x100x48 mm	136x115x32 mm	170x150x35 mm	83 x 25 x 74 mm	110 x 50 x 100 mm	132 x 44.2 x 95.1 mm	110 x 49.30 x 235 mm
	Weight: 135g	Weight: 250g	Weight: 250g	Weight: 250g	Weight: 276g	Weight: 500g	Weight: 475g	Weight: 470g	Weight: 125g	Weight: 533g	Weight: 297g	Weight: 385g
Global (including UK) PSU	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	UK only (see below)	UK only (see below)	UK only (see below)	PoE Only
Power Connector	Screw Terminals	Screw Terminals	Screw Terminals	Screw Terminals	4 pin Molex MiniFit	Screw Terminals	Screw Terminals	Screw Terminals	4 pin	4 pin	4 pin	PoE
PoE-PD	No	Yes 1xPD port 802.3at	Yes 1xPD port 802.3at	Yes 1xPD port 802.3at	"Yes 1xPD port 802.3at"	Yes 1xPD port 802.3at	No	No	Yes (passive)	Yes (passive)	Yes (passive)	Yes 1xPD port 802.3af/at
PoE-PSE	No	No	No	No	No	No	No	No	No	No	No	Yes 1xPoE Out 802.3af/at Alternative B
Operating Temperature	-25°C to 70°C / -13°F to 158°F	-25°C to 70°C / -13°F to 158°F	-25°C to 70°C / -13°F to 158°F	-25°C to 70°C / -13°F to 158°F	-40°C to 70°C/-40°F to 158 °F	-25°C to 70°C / -13°F to 158°F	-25°C to 70°C / -13°F to 158°F	0°C to 45°C with battery (-20°C to 60°C Without battery)	(-40°C to 70°C/ -105 °F to 158 °F)	(-40°C to 70°C / -105 °F to 158 °F)	(-40°C to 70°C / -105 °F to 158 °F)	(-40°C to 55°C / -105 °F to 131 °F)
E-mark	No	Yes	Yes	No	No	Yes	No	No	Yes	Yes	Yes	No
Warranty	2 Year	2 Year	2 Year	2 Year	2 Year	2 Year	2 Year	2 Year	2 Year	2 Year	2 Year	2 Year
Inbuilt UPS Battery Compartment	No	No	No	No	No	No	No	Yes	No	No	No	No

SOFTWARE	R1510	R1520 (V)	R1520 (G)	R1520 (S)	R5010 (5G)	R5020 (5G)	R5020 Lite (5G)	EV8100	RUT200	RUT901	RUTX50	OTD500
OS	ROBUSTOS	ROBUSTOS	ROBUSTOS	ROBUSTOS	RUBUSTOS	ROBUSTOS	ROBUSTOS	ROBUSTOS Pro	RutOS	RutOS	RutOS	RutOS
Smart Roaming (only applicable for roaming SIMs)	No	Yes	Yes	Yes	Yes (v3.1)	Yes	Yes	Pending	n/a	n/a	n/a	n/a
Data Guard V2 (Smart Reboot for roaming SIMs)	Yes	Yes	Yes	Yes	No	Yes	Yes	No	n/a	n/a	n/a	n/a
SDK (Software Development Kit)	Yes - see data sheet for details	Yes - see data sheet for details	Yes - see data sheet for details	Yes - see data sheet for details	Yes - see data sheet for details	Yes - see data sheet for details	Yes - see data sheet for details	Yes - see data sheet for details	Yes - see data sheet for details	Yes - see data sheet for details	Yes - see data sheet for details	Yes - see data sheet for details
ROBUSTVPN	Yes (if RCMS upgraded to 'Advanced')	Yes (if RCMS upgraded to 'Advanced')	Yes (if RCMS upgraded to 'Advanced')	Yes (if RCMS upgraded to 'Advanced')	Yes (if RCMS upgraded to 'Advanced')	Yes (if RCMS upgraded to 'Advanced')	Yes (if RCMS upgraded to 'Advanced')	Yes (if RCMS upgraded to 'Advanced')	n/a	n/a	n/a	n/a

GLOBAL DEPLOMENTS	R1510	R1520 (V)	R1520 (G)	R1520 (S)	R5010 (5G)	R5020 (5G)	R5020 Lite (5G)	EV8100	RUT200	RUT901	RUTX50	OTD500
Suitable for Global Deployments i.e. has relevant local certification	No (Has CE for use in Europe)	No (Has CE for use in Europe)	Yes speak to Jola AM for more details	No (Has CE for use in Europe)	No (Has CE for use in Europe)	No (Has CE for use in Europe)	No (Has CE for use in Europe)	No (Has CE for use in Europe)	Europe, Australia, Asia-Pacific (with relevant PSU)	Europe, Australia, Asia-Pacific (with relevant PSU)	Europe, Middle East, Africa, Oceania, Brazil (with relevant PSU)	Europe, Middle East, Africa, APAC, Brazil (with relevant PSU)

OPTIONAL EXTRAS	R1510	R1520 (V)	R1520 (G)	R1520 (S)	R5010 (5G)	R5020 (5G)	R5020 Lite (5G)	EV8100	RUT200	RUT901	RUTX50	OTD500
Additional Cellular antennas	Full set included with router	Full set included with router	Full set included with router	Full set included with router	Full set included with router	Full set included with router	Full set included with router	Full set included with router	Full set included with router	Full set included with router	Full set included with router	Full set included with router
Additional WiFi antennas	N/A	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	N/A	Full set included with router	Full set included with router	Full set included with router	Full set included with router	Full set included with router	Full set included with router	N/A
DIN-rail kit	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	No	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	No
Wall mount kit	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Yes - Included with router	Yes - Included with router	Yes - Included with router	Yes - Included with router	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Yes - Included
GPS antenna	No	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	N/A	Yes - Included with router	No	N/A	No	N/A	Yes - Included with router	N/A
Batteries for inbuilt battery compartment	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes - 2 x 18650 batteries included	N/A	N/A	N/A	N/A

Please note: Robustel and Teltonika routers procured through Jola must be used exclusively with Jola supplied SIMs

Additional Robustel and Teltonika models are available based on customer requirements and opportunity size.