

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 the Robustel 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.
Smart Roaming	Multi-Network SIMs connect randomly to one of the networks available to them. Enabling 'Smart Roaming' and defining the quality standards needed for the application(s) being served by the SIM results in the SIM connecting to a network that meets the standards specified. If this network then falls below one of those standards it will drop the connection and scan available networks for one that does.
Intelligent	Robustel routers come with the RobustOS SDK. This allows developers to create software that runs directly on the router, enabling the unit to act as a fully integrated IoT Edge Gateway, removing the need for a separate PC in many applications. This offers significant cost savings, energy savings and reduces complexity when rolling out large IoT solutions.
Global routers	A single SKU for global deployments. Routers with the appropriate certification that can work with a broad range of the radio frequencies that mobile operators use around the world.
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.

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)	R2110 (Cat 4) R2110 (Cat 6)	R5020 (5G)	R5020 Lite (5G)
Robustel Part Number	B048701	B056708	B056701	B056703	Cat 4: B044722 Cat 6: B044719	B064802	B098004
Cellular	4G (LTE Cat 4)	4G (LTE Cat 4)	4G (LTE Cat 4)	4G (LTE Cat 4)	Cat 4: 4G (LTE Cat 4) Cat 6: 4G (LTE Cat 6)	5G & 4G (CAT16 LTE)	5G & 4G (CAT16 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)	4 x GE (4L or 3L+1W)	4 x GE (4L or 3L+1W)	2 x GE (2L or 1L+1W)
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)	WiFi (2.4GHz & 5GHz 802.11ac)	WiFi (2.4GHz & 5GHz 802.11ac)	WiFi (2.4GHz & 5GHz 802.11ac)
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, 1 x AI, 1 x DI, 1 x DO (& 1 x USB primarily for config)	1xRS232 & RS485, 1 x DI, 1 x DO, 1 x BLE (& 1 x USB primarily for config)	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)
Cellular Connectors (4G/5G/LTE)	2 x SMA-K	2 x SMA-K	2 x SMA-K	2 x SMA-K	2 x SMA-K	4 x SMA-K	4 x SMA-K
Cellular (4G/5G/LTE) Antennas Included?	Yes (x2)	Yes (x2)	Yes (x2)	Yes (x2)	Yes (x2)	Yes (x4)	Yes (x4)
WiFi Connectors	1 x RP-SMA-K	2 x RP-SMA-K	2 x RP-SMA-K	2 x RP-SMA-K	2 x RP-SMA-K	2 x RP-SMA-K	2 x RP-SMA-K
WiFi Antennas Included?	Yes (x1)	Yes (x1)	Yes (x1)	Yes (x1)	Yes (x1)	Yes (x2)	Yes (x2)
GPS Interface	No	Yes	Yes	No	Yes	Yes	No
GPS Antennas Included?	No	No	No	No	No	No	No
CPU / Memory	Atheros: max. 650MHz Flash: 16MB Expand Flash by adding Micro SD card? Not available RAM: 64MB	Atheros: max. 650MHz Flash: 16MB Expand Flash by adding Micro SD card? Not available RAM: 128MB	Atheros: max. 650MHz Flash: 16MB Expand Flash by adding Micro SD card? Not available RAM: 128MB	Atheros: max. 650MHz Flash: 16MB Expand Flash by adding Micro SD card? Not available RAM: 128MB	Atheros: max. 880MHz Flash: 32MB Expand Flash by adding Micro SD card? Yes RAM: 512MB	Atheros: max. 880MHz Flash: 32MB "Expand Flash by adding Micro SD card? Yes" RAM: 256MB	Atheros: max. 880MHz Flash: 32MB Expand Flash by adding Micro SD card?: No RAM: 256MB
SIM Size	2FF (Mini)	2FF (Mini)	2FF (Mini)	2FF (Mini)	2FF (Mini)	2FF (Mini)	2FF (Mini)
Dual SIM	No	Yes	Yes	Yes	Yes	Yes	Yes

GLOBAL DEPLOMENTS	R1510	R1520 (V)	R1520 (G)	R1520 (S)	R2110 (Cat 4) R2110 (Cat 6)	R5020 (5G)	R5020 Lite (5G)
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)

OPTIONAL EXTRAS	R1510	R1520 (V)	R1520 (G)	R1520 (S)	R2110 (Cat 4) R2110 (Cat 6)	R5020 (5G)	R5020 Lite (5G)
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
Additional WiFi antennas	1 WiFi connector on box and 1 antenna supplied with router	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Full set included with router	Full set included with router
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)
Wall mount kit	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Yes - Included with router	Yes - Included with router
GPS antenna	No	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Yes (available to purchase)	Yes - Included with router	No

Robustel routers procured through Jola must be used exclusively with Jola supplied SIMs.

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