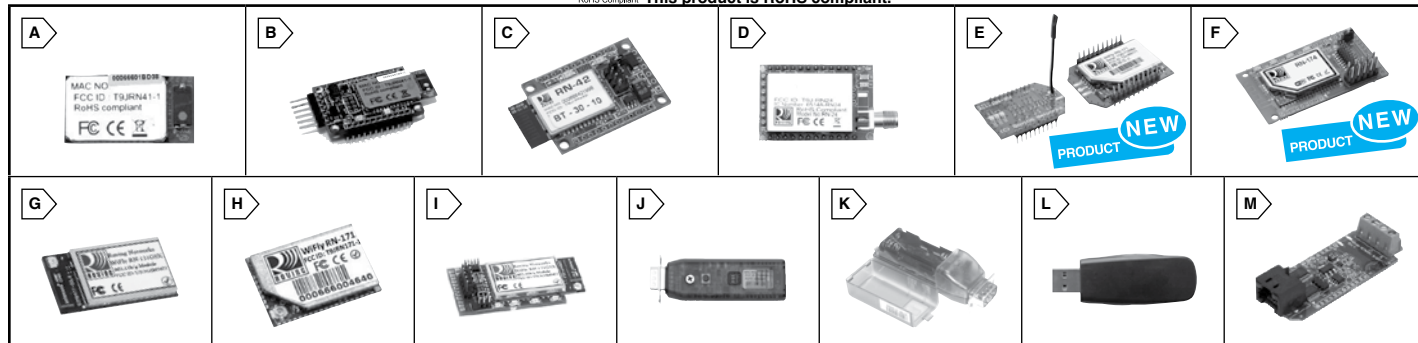


ROVING NETWORKS Adapters and Modules



RoHS Compliant This product is RoHS compliant.



ROVING NETWORKS EMBEDDED MODULES AND ADAPTERS

Bluetooth Modules

The RN-41 Class 1 module is available with on board chip antenna and is both FCC/CE certified and bluetooth SIG registered. The RN-24 super module has voltage regulation, status LEDs, thru hole pins/headers, and chip (S) or SMA (E) Antenna options.

Features:

- Postage stamp sized modules, 15mm x 22mm
- Castellated SMT pads for easy and reliable PCB mounting
- Bluetooth v1.1, 1.2, and 2.0/EDR compliant
- On board ceramic ANT(S) and external SMA ANT(E) versions
- On board bluetooth stacks/profiles make integration simple (no host code)
- Low power consumption, 1mA standby, 25mA connected
- Sustained data performance of >100kbps bi-directional
- Advanced features such as auto pairing and auto connect master
- Fully configurable with simple AT style commands locally over UART and remotely over Bluetooth
- Complete embedded solution, simplest make integration only 4 pin connector (TX, RX, VCC, GND)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Fig.	Description	Range (Meters)	Interfaces	Size (mm)	Price Each		
							1	5	10
765-RN-41	RN-41	A	Bluetooth v2.0+EDR Class 1	100	UART/USB	13.4 x 25.8 x 2	24.95	24.61	24.45
765-RN-41-SM	RN-41-SM	B	Bluetooth v2.0+EDR Class 1 Socket Module	100	UART/RS232	28 x 40.8	45.00	43.02	40.95
765-RN-42-SM	RN-42-SM	C	Class 2 Bluetooth 2.1+EDR Socket Module	100	UART	.9 x 1.3	39.00	37.28	35.49
765-RN-24S	RN-24S	D	Bluetooth v2.0+EDR Supermodule with Chip Ant.	100	UART/RS485	38.1 x 25.4	69.00	55.81	53.13
765-RN-24E	RN-24E	D	Bluetooth v2.0+EDR Supermodule with SMA Jack	100	UART/RS485	38.1 x 25.4	69.00	55.81	53.13

WiFi™ 802.11b/g GSX Embedded Module

The new WiFi GSX Module is a stand alone, embedded wireless 802.11b/g WiFi module that uses 100m WATT when active and 10m WATT in sleep mode. This GSX Module incorporates a 2.4GHz radio, processor, TCP/IP stack, real-time clock, crypto accelerator, power management and analog sensor interfaces. Because of its small form factor and extremely low power consumption, the RN-131G is perfect for mobile wireless applications such as asset monitoring, GPS tracking and battery sensors. The RN-134 Super Module is built upon Roving Networks RN-131 WiFi GSX module. The RN-134 is a field ready, WiFi certified 802.11 b/g solution.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Fig.	Description	Frequency (MHz)	Number of Channels	Channel Intervals	Price Each		
							1	5	10
765-RN-XV	RN-XV-W	E	802.15.4 replacement solution with ¼ inch wire antenna	2402-2480MHz	1-14	5MHz	34.94	34.49	34.24
765-RN-XV-S	RN-XV-S	E	802.15.4 replacement solution with SMA antenna	2402-2480MHz	1-14	5MHz	34.93	33.72	32.52
765-RN-131G	RN-131G	G	802.11b/g WiFi GSX Module - Industrial Temperature	2402-2480	1-14	5MHz	34.93	33.72	32.52
765-RN-131C	RN-131C	G	802.11b/g WiFi GSX Module - Commercial Temperature	2402-2480	1-14	5MHz	45.00	44.50	44.10
765-RN-171	RN-171	H	WiFi GSX 802.11b/g Module, Industrial Temperature	2402-2480	1-14	5MHz	39.00	38.70	38.22
765-RN-174	RN-174-P	H	RN-174 board with PCB trace antenna*, standard firmware	2402-2480	1-14	5MHz	29.00	29.00	28.50
765-RN-174-W	RN-174-W	F	RN-174 board with wire antenna*, standard firmware	2402-2480MHz	1-14	5MHz	79.00	75.51	71.89
765-RN-174-C	RN-174-C	F	RN-174 board with chip antenna*, standard firmware	2402-2480MHz	1-14	5MHz	73.32	70.79	68.26
765-RN-174-U	RN-174-U	F	RN-174 board with U.F.L. connector*, standard firmware	2402-2480MHz	1-14	5MHz	73.32	70.79	68.26
765-RN-174-K	RN-174-K	F	Development Kit with RN-174-P WiFi ESX Super Module	2402-2480MHz	1-14	5MHz	73.32	70.79	68.26
765-RN-131G-EVAL	RN-131G-EVAL	--	WiFi GSX 802.11b/g Development Kit	--	--	--	91.88	88.71	85.54
765-RN-134	RN-134	I	WiFi GSX Super Module, RS232 and TTL signaling, status LEDs, 3-12 Volt Power Regulators	2402-2480	1-14	5MHz	149.00	147.52	146.02
765-RN-134-K	RN-134-K	--	Evaluation Kit with RN-134 WiFi GSX Super Module	--	--	--	99.00	94.63	90.09
765-RN-134-K	RN-134-K	--	Evaluation Kit with RN-134 WiFi GSX Super Module	--	--	--	119.00	113.75	108.29

Bluetooth™ Adapters

Roving Networks offers several serial adapters and sensors to integrate your embedded device, allowing access from wireless enabled PCs, PDAs, cellphones, and networks.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Fig.	Description	Price Each		
				1	5	10
765-RN-240M	RN-240M	J	Bluetooth to RS232 adapter with male connector	85.58	75.52	71.89
765-RN-240F	RN-240F	J	Bluetooth to RS232 adapter with female connector	85.58	75.51	71.89
765-RN-422M	RN-422M	J	Bluetooth to RS422 adapter with male connector	149.00	131.47	125.16
765-RN-270M	RN-270M	K	Bluetooth to RS232 adapter, AAA battery powered with male connector	109.00	104.19	99.19
765-RN-270F	RN-270F	K	Bluetooth to RS232 adapter, AAA battery powered with female connector	109.00	104.19	99.19
765-RN-USB-X	RN-USB-X	L	Bluetooth 2.1 "driverless" USB dongle	69.00	65.96	62.79
765-RN-USB-T	RN-USB-T	L	Bluetooth 2.0 USB dongle	29.00	27.72	26.39
765-RN-800S-CB	RN-800S-CB	M	Bluetooth data acquisition and control module	299.00	--	--

Wi-Fi Adapters

The Roving Networks Wi-Fi serial adapters supply a serial-to-Wi-Fi bridge, providing wireless connectivity to any legacy system that supports serial communication.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Description	Price Each		
			1	5	10
765-RN-340M	RN-340M-W	Wi-Fi to RS232 adapter with Male DB9 connector, wire antenna	107.25	103.79	100.55

ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Description	Price Each		
			1	5	10
765-RN-PS-US	RN-PS-US	Power Supply-5VDC 1A, 100-240VAC 50-60Hz auto sensing	7.50	6.62	6.30
765-RN-PS-INT	RN-PS-INT	Power Supply-Includes connectors for North America, Europe, UK, and Australia/New Zealand	15.00	13.24	12.60
765-RN-PS-USB	RN-PS-USB	Power Supply-Powers from USB Port	7.50	7.43	7.35
765-RN-SMA-S	RN-SMA-S	1" Antenna, 2.4GHZ, Space Saver	5.95	5.50	5.49
765-RN-SMA4-RP	RN-SMA4-RP	4" Reverse Polarity, Long Range Antenna	7.95	7.34	6.68
765-RN-SMA-4	RN-SMA-4	Antenna with SMA Connector - 2.4GHZ Male 4", base can rotate to any angle for optimal positioning	7.95	7.34	6.68
765-RN-UFL-SMA6	RN-UFL-SMA6	6" Coax Cable with U.F.L and RPSMA Connectors	5.00	4.42	4.20
765-RN-USB-SERIAL	RN-USB-SERIAL	1 meter Smart USB 1.1 to RS232 Serial Cable	16.95	16.21	15.42
765-RN-SRL-PRO3V-BLK	RN-SRL-PRO3V-BLK	USB to TTL cable with black housing, Prolific drivers, 1.8 meter cable length, tin leads	19.24	18.58	17.92
765-RN-SRL-PRO3V-CLR	RN-SRL-PRO3V-CLR	USB to TTL cable with clear housing, Prolific drivers, 1.8 meter cable length, tin leads	19.24	18.58	17.92
765-RN-SRL-FTD5V-BLK	RN-SRL-FTD5V-BLK	USB to TTL cable with black housing, FTDI drivers, 1.8 meter cable length, tin leads	19.24	18.58	17.92
765-RN-SRL-FTD5V-CLR	RN-SRL-FTD5V-CLR	USB to TTL cable with clear housing, FTDI drivers, 1.8 meter cable length, tin leads	19.24	18.58	17.92
765-RN-SRL-PRO3V-DGL	RN-SRL-PRO3V-DGL	USB to TTL dongle, Prolific drivers, bare PCB with 3V serial connector	16.25	15.68	15.12
765-RN-SRL-FTD5V-DGL	RN-SRL-FTD5V-DGL	USB to TTL dongle, FTDI drivers, bare PCB with 5V serial connector	16.25	15.68	15.12