

ROVING NETWORKS Adapters and Modules

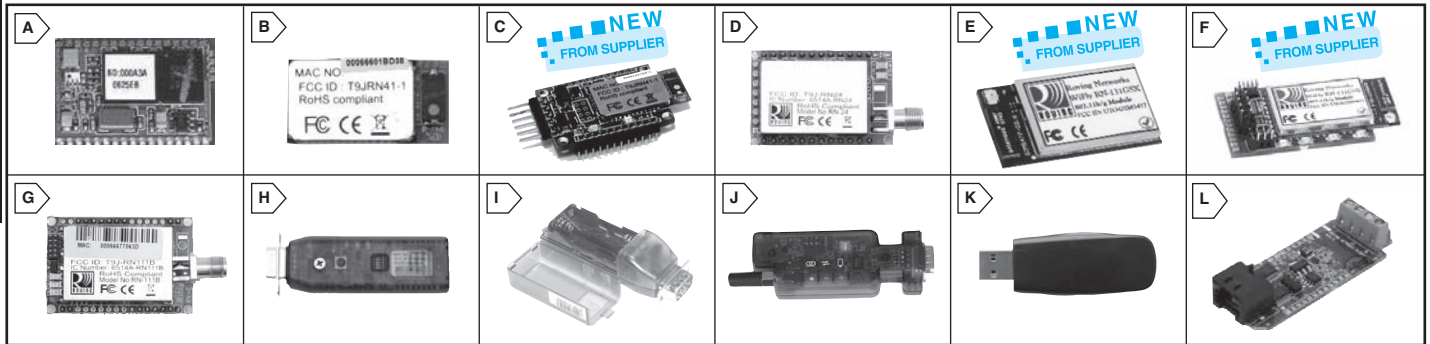


Embedded Modules

Roving Networks

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-21 uses an external antenna. 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 mode requires only 4 pin connection (TX, RX, VCC, GND)

For quantities of 25 and up, call for quote.

| MOUSER STOCK NO. | Roving Networks Part No. | Fig. | Description | Range (meters) | Interfaces | Size (mm) | Price Each | | |
|------------------|--------------------------|------|---|----------------|------------|-------------|------------|-------|-------|
| | | | | | | | 1 | 5 | 10 |
| 765-RN-21 | RN-21 | A | Bluetooth v2.0+EDR Class 1 / Class 2 Module | 100 | UART/USB | 17.5x22x2 | 27.95 | 27.75 | 27.39 |
| 765-RN-41 | RN-41 | B | Bluetooth v2.0+EDR Class 1 | 100 | UART/USB | 13.4x25.8x2 | 24.95 | 24.80 | 24.50 |
| 765-RN-41-SM | RN-41-SM | C | Bluetooth v2.0+EDR Class 1 Socket Module | 100 | UART/RS232 | 28 x 40.8 | 45.00 | 43.02 | 40.95 |
| 765-RN-24S | RN-24S | D | Bluetooth v2.0+EDR Supermodule w/ Chip Ant. | 100 | UART/RS485 | 38.1x25.4 | 69.00 | 55.81 | 53.13 |
| 765-RN-24E | RN-24E | D | Bluetooth v2.0+EDR Supermodule w/ SMA Jack | 100 | UART/RS485 | 38.1x25.4 | 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 of 25 and up, 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-131G | RN-131G | E | 802.11b/g WiFi GSX Module - Industrial Temperature | 2402-2480 | 1-14 | 5MHz | 59.00 | 56.40 | 53.69 |
| 765-RN-131C | RN-131C | E | 802.11b/g WiFi GSX Module - Commercial Temperature | 2402-2480 | 1-14 | 5MHz | 49.00 | 46.84 | 44.59 |
| 765-RN-131G-EVAL | RN-131G-EVAL | -- | WiFi GSX 802.11b/g Development Kit | -- | -- | -- | 149.00 | 147.52 | 146.02 |
| 765-RN-134 | RN-134 | F | WiFi GSX Super Module, RS232 and TTL signaling, status LEDs, 3-12 volt power regulators | 2402-2480 | 1-14 | 5MHz | 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 |

WiFi™ 802.11b Embedded Modules

The WiFi RN-111b module is a complete low power embedded TCP/IP solution (40 mA idle/RX, 120 mA, TX, 12 uA sleep). Fully pre-certified FCC ID and CE Marks, and has multiple antenna options, SMA, Reverse SMA, Chip and Wire. The transmit range can be up to 330' (100m), depending upon environmental considerations.

For quantities of 25 and up, 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-111B-E | RN-111B-E | G | 802.11b WiFi Module - SMA Jack | 2402-2480 | 1-14 | 5MHz | 59.00 | 56.40 | 53.69 |
| 765-RN-111B-R | RN-111B-R | G | 802.11b WiFi Module - Reverse Polarity SMA Jack | 2402-2480 | 1-14 | 5MHz | 59.00 | 56.40 | 53.69 |
| 765-RN-111B-W | RN-111B-W | G | 802.11b WiFi Module - Wire Antenna | 2402-2480 | 1-14 | 5MHz | 59.00 | 56.40 | 53.69 |
| 765-RN-111B-S | RN-111B-S | G | 802.11b WiFi Module - Chip Antenna | 2402-2480 | 1-14 | 5MHz | 59.00 | 56.40 | 53.69 |
| 765-RN-111B-EVAL | RN-111B-EVAL | -- | WiFi 802.11b Evaluation Kit | -- | -- | -- | 199.00 | 197.03 | 195.02 |

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 of 25 and up, call for quote.

| MOUSER STOCK NO. | Roving Networks Part No. | Fig. | Description | Price Each | | |
|-------------------|--------------------------|------|---|------------|--------|--------|
| | | | | 1 | 5 | 10 |
| 765-RN-240M | RN-240M | H | Bluetooth to RS232 adapter with male connector | 79.00 | 69.71 | 66.36 |
| 765-RN-240F | RN-240F | H | Bluetooth to RS232 adapter with female connector | 79.00 | 69.71 | 66.36 |
| 765-RN-422M | RN-422M | H | Bluetooth to RS232 adapter with male connector | 149.00 | 131.47 | 125.16 |
| 765-RN-270M | RN-270M | I | Bluetooth to RS232 adapter, AAA battery powered with male connector | 109.00 | 104.19 | 99.19 |
| 765-RN-270M-K-US | RN-270M-K-US | I | Bluetooth to RS232 Serial Adapter Kit - US Version | 125.00 | 119.50 | 113.75 |
| 765-RN-270M-K-INT | RN-270M-K-INT | I | Bluetooth to RS232 Serial Adapter Kit - International Version | 125.00 | 119.50 | 113.75 |
| 765-RN-270F | RN-270F | I | Bluetooth to RS232 adapter, AAA battery powered with female connector | 109.00 | 104.19 | 99.19 |
| 765-RN-270F-K-US | RN-270F-K-US | I | Bluetooth to RS232 Serial Adapter Kit - US Version | 125.00 | 119.50 | 113.75 |
| 765-RN-270F-K-INT | RN-270F-K-INT | I | Bluetooth to RS232 Serial Adapter Kit - International Version | 125.00 | 119.50 | 113.75 |
| 765-RN-274M | RN-274M | I | Bluetooth to RS422 adapter, AAA battery powered with male connector | 249.00 | 238.01 | 226.59 |
| 765-RN-274M-K-US | RN-274M-K-US | I | Bluetooth to RS422 Adapter Kit - US Version | 265.00 | 253.30 | 241.15 |
| 765-RN-274M-K-INT | RN-274M-K-INT | I | Bluetooth to RS422 Adapter Kit - International Version | 265.00 | 253.30 | 241.15 |
| 765-RN-220XP | RN-220XP | J | Bluetooth to RS232 adapter with high capacity LiPoly Battery | 199.00 | 175.59 | 167.16 |
| 765-RN-USB-X | RN-USB-X | K | Bluetooth 2.1 "driverless" USB dongle | 69.00 | 65.96 | 62.79 |
| 765-RN-USB-T | RN-USB-T | K | Bluetooth 2.0 USB dongle | 29.00 | 27.72 | 26.39 |
| 765-RN-800S-CB | RN-800S-CB | L | Bluetooth data acquisition and control module | 299.00 | -- | -- |

ACCESSORIES

For quantities of 25 and up, 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 | 5.25 | 5.00 |
| 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 UFL and SMA 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 |

