

Embedded RF Wireless Products

Products may be RoHS compliant.
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Digi XTEND™ OEM RF MODULE (CONT.)

XTend PKG Product

MOUSER STOCK NO.	Digi Intl. Part No.	Frequency	OTA Data Rate	Interface	Accessories	Price Each
888-XT09-PKC-UA-NA	XT09-PKC-UA-NA	900 MHz- XTend	9600	USB	Yes	299.00
888-XT09-PKI-RA-NA	XT09-PKI-RA-NA	900 MHz- XTend	9600	RS232	Yes	299.00
888-XT09-PKC-UA	XT09-PKC-UA	900 MHz- XTend	9600	USB	Yes	299.00
888-XT09-PKI-RA	XT09-PKI-RA	900 MHz- XTend	9600	RS232	Yes	299.00

Digi XCITE™ OEM RF MODULE

The 9XCite OEM RF Module was engineered to provide reliable low-cost wireless communications for OEMs and integrators. This affordable RF module is smaller than a credit card and supplies wireless links between devices that require minimal setup, power and cost. The module is optimized to operate in the ISM 900MHz frequency bands for agency-approved use throughout North America. The 9XCite (900MHz) is pin-for-pin and software compatible with the 9XStream (900MHz) OEM RF Module, allowing for flexible deployment of your products throughout the world (only one OEM board design needed).

XCite OEM Modules (North & South America)

MOUSER STOCK NO.	Digi Intl. Part No.	Frequency	OTA Data Rate	Interface	Accessories	Price Each
888-XC09-009WNC	XC09-009WNC	9XCite	4mW transceiver	3" wire antenna	9600bps	39.40
888-XC09-038WNC	XC09-038WNC	9XCite	4mW transceiver	3" wire antenna	38400bps	39.40
888-XC09-009NSC	XC09-009NSC	9XCite	4mW transceiver	RPSMA	9600bps	41.47
888-XC09-038NSC	XC09-038NSC	9XCite	4mW transceiver	RPSMA	38400bps	41.47
888-XC09-009WNI	XC09-009WNI	9XCite	4mW transceiver	3" wire antenna	9600bps	46.65
888-XC09-038WNI	XC09-038WNI	9XCite	4mW transceiver	3" wire antenna	38400bps	46.65
888-XC09-009NSI	XC09-009NSI	9XCite	4mW transceiver	RPSMA	9600bps	48.72
888-XC09-038NSI	XC09-038NSI	9XCite	4mW transceiver	RPSMA	38400bps	48.72

XCite Technology Development Kits

MOUSER STOCK NO.	Description	Price Each
888—XC09-009-DK	915MHz, 5mW, Development Kit, 9600 baud, 3" wire & RPSMA connector	149.00
888—XC09-038-DK	915MHz, 5mW, Development Kit, 38.4kbps, 3" wire & RPSMA connector	149.00

Antennas - 915MHz

MOUSER STOCK NO.	Description	Price Each
888—A09-HASM-675	6" half wave, (2.1dBi) articulating	20.74
888—A09-HSM-7	6" half wave, (2.1dBi) non-articulating	20.74
888—A09-HTM-675	6" half wave, (2.1dBi) straight antenna	21.95
888—A09-HBMM-P51	7" half wave, bulkhead, MMCX connector	21.95
888—A09-HBSM-P51	7" half wave, bulkhead mount, RPSMA connector	21.95
888—A09-QRAMM	3" quarter wave (1.9dBi) MMCX wire antenna	7.32
888—A09-Y8NF	Yagi, 8.1 dBi (6dBd) Directional w/ N-female Connector	60.00
888—A09-Y11NF	11.1 dBi (9dBd) Directional Yagi Antenna w/ N-female Connector	73.17
888—A09-Y15NF	15.1 dBi (13dBd) Directional Yagi Antenna w/ N-female Connector	156.11
888—A09-F5NF-M	Base Station, 5.1 dBi gain (3dBd)	181.72
888—A09-F8NF-M	Base Station, 8.1 dBi gain (6dBd)	217.00
888—A09-Y15TM-P10I	Yagi, 15dBi, directional	130.50

PKG Interface Boards

MOUSER STOCK NO.	Description	Price Each
888—XIB-U	USB interface board (9XStream, 24XStream, 9XCite)	50.00
888—XIB-E	Ethernet interface board (9XStream, 24XStream, 9XCite)	150.00
888—XTIB-R	1W RS-232/485 interface board (9XTend)	80.00
888—XTIB-U	1W USB interface board (9XTend)	80.00
888—XTAB-A	9XTend Adapter board for 9XStream OEM modules w/ accessories	25.61
888—XTAB	9XTend Adapter board for 9XStream OEM modules w/o accessories	15.86

Antennas - 2.4GHz

MOUSER STOCK NO.	Description	Price Each
888—A24-HASM-450	2.4GHz Half-wave articulated joint	6.00
888—A24-HASM-525	6" half wave dipole	20.74
888—A24-HABUF-P51	2.4Ghz antennas U.FL	5.00
888—A24-HABMM-P51	7" half wave, bulkhead	21.95
888—A24-QABMM-P51	3" qtr wave, bulkhead	19.52
888—A24-P8NF	1 patch panel, 8.5dBi gain	114.64
888—A24-P19NF-PP	16 patch panel, 19dBi gain	167.09



2.4 GHz IEEE STD. 802.15.4™ RF TRANSCEIVER MODULE, MRF24J40MA PICDEM Z RF BOARD AND MRF24J40MA PICTAIL PLUS 2.4 GHz RF CARD

MRF24J40MA is a certified 2.4GHz IEEE 802.15.4 radio transceiver module. The MRF24J40MA has an integrated PCB antenna, matching circuitry, and supports the ZigBee™, MiWi™ and MiWi P2P protocols. The MRF24J40MA Module connects to hundreds of PIC® microcontrollers via a 4-wire SPI interface and is an ideal solution for wireless sensor networks, home automation, building automation and consumer applications.

The AC164134 PICTail Plus 2.4GHz RF card includes the Microchip MRF24J40MA transceiver module. The MRF24J40MA is an agency certified module with an integrated PCB antenna mounted on a PICTail Plus edge connector board for the Explorer 16 Development environment.

Features:

- IEEE Std. 802.15.4™ Compliant RF Transceiver
- Supports ZigBee®, MiWi™, MiWi™ P2P and Proprietary Wireless Networking Protocols
- Up to 400m Range (outdoor, line-of-sight)
- Integrated Crystal, Internal Voltage Regulator, Matching Circuitry and PCB Antenna
- Easy Integration into Final Product – Minimize Product Development, Quicker Time to Market
- Radio Regulation Certification for United States (FCC), Canada (IC) and Europe (ETSI)
- Small Size: 0.7" x 1.1" (17.8 mm x 27.9 mm), Surface Mountable
- Compatible with Microchip Microcontroller Families (PIC16F, PIC18F, PIC24F/H, dsPIC33 and PIC32)

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-MRF24J40MA-I/RM	MRF24J40MA-I/RM	2.4GHz IEEE 802.15.4 Transceiver Module	9.95
579-MRF24J40MB-I/RM	MRF24J40MB-I/RM	2.4 GHz IEEE 802.15.4 Ext. Range Transceiver Module	20.84
579-AC163028	AC163028	MRF24J40MA PICDEM Z 2.4GHz RF Board	18.95
579-AC164134	AC164134	MRF24J40MA PICTail Plus 2.4GHz RF Card	18.95



MRF49XA SUB-GHZ TRANSCEIVER RADIO AND PICTAIL PLUS DAUGHTER BOARDS

MRF49XA is a fully integrated Sub-GHz RF transceiver supporting the 434/868/915MHz ISM frequency band. The MRF49XA supports FSK modulation with FHSS capability is ideal for two-way, short-range wireless applications.



MOUSER STOCK NO.	Microchip Part No.	Description	Price Each			
			1	10	25	100
579-MRF49XA-I/ST	MRF49XA-I/ST	433-930MHz Transceiver	2.82	2.35	2.16	1.95
579-AC164137-1	AC164137-1	434MHz Daughter Board	39.99	-	-	-
579-AC164137-2	AC164137-1	868/915MHz Daughter Board	39.99	-	-	-

