

S

MICAX SERIES

- DATA ACQUISITION BOARD: MDA300
- SENSOR BOARDS:
 - MTS101
 - MTS300
 - MTS310
 - MTS400
 - MTS420

MICAXDOT SERIES

- DATA ACQUISITION BOARD: MDA500CA
- SENSOR BOARDS: MTS510CA

M

MICA2 SERIES

- MPR400

MICA2DOT SERIES

- MPR500

MICAz SERIES





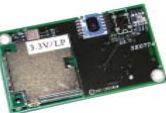




- MPR2400

G

X-SCALE™ PROCESSOR, (802.11 a/b, ETHERNET, RS-232)

- SERIAL (RS-232): MIB510
- ETHERNET (TCP/IP): MIB600
- STARGATE

S Sensor and Data Acquisition Boards (MTS and MDA Series)

Photo	Crossbow Part ID	Commonly Used Name	Sensor and Functions															
			Accelerometer (2-axis)	Barometer (built-in ADC)	Buzzer	External Analog Sensor Inputs	GPS	Light	Microphone	Magnetometer (2-axis)	Photo-sensitive Light	Rel. Humidity & Temperature (built-in 12-bit ADC)	Relays	Thermistor				
MICA-Compatible																		
	MTS101	basicsb				✓ (Six 10-bit ADCs)		✓									✓	
	MTS300	micasb			✓					✓	✓						✓	
	MTS310	micasb	✓		✓				✓	✓	✓						✓	
	MTS400	mica2wb	✓	✓								✓		✓				
	MTS420	fireboard	✓	✓				✓				✓		✓				
	MDA300	sensorIB				✓ (Ten 12-bit ADCs)									✓		✓	
MICA2DOT-Compatible																		
	MTS510	mica2dotsb	✓							✓	✓						✓	
	MDA500	mica2dotgpb				✓												
MICA2DOT-Compatible Sensor Boards offered by Third-party Vendors																		
		SkyeTek Mini																RFID Tag reader/writer. Compatible with many 13.56MHz RF tag families: ISO-15693 (Tag-It HF-I, I-Code SLI, etc), ISO-14443-A-B. Also reads Tagsys, TI and Phillips non-ISO tags

M Mote Processor Radio Platforms (“Motes”, MPR Series)

Photo	Crossbow Part ID	Commonly Used Name	Frequency Range	Processor	Radio Transceiver	Nonvolatile Memory
	MPR300 (discontinued)	MICA (sometimes referred to as MICA1)	902 to 928 MHz	Atmel ATMega128L	RFM TR1000	Atmel AT45DB041B (512 kB)
	MPR310 (discontinued)		433.1 to 434.8 MHz			
	MPR400	MICA2	868 to 870; 902 to 928 MHz	Atmel ATMega128L	Chipcon CC1000	Atmel AT45DB041B (512 kB)
	MPR410		433.1 to 434.8 MHz			
	MPR420		313.9 to 316.1 MHz			
	MPR500	MICA2DOT	868 to 870; 902 to 928 MHz	Atmel ATMega128L	Chipcon CC1000	Atmel AT45DB041B (512 kB)
	MPR510		433.1 to 434.8 MHz			
	MPR520		313.9 to 316.1 MHz			
	MPR2400	MICAz	2400 to 2483.5 MHz	Atmel ATMega128L	Chipcon CC2420 (802.15.4)	Atmel AT45DB041B (512 kB)
	MCS400	Cricket	433.1 to 434.8 MHz	Atmel ATMega128L	Chipcon CC1000	Atmel AT45DB041B (512 kB)

G Gateways and Network Interfaces (MIB or SPB Series)

Photo	Crossbow Part ID	Description	Mote/Board Connectors	Programming Port	Data Port
	MIB500 (discontinued)	Parallel Port Programmer	MICA, MICA2 (51-pin connector, top-side) MICA-Series sensor boards (51-pin connector, bottom-side) MICA2DOT (19-pin circular connector, bottom-side)	Parallel	Serial (RS-232)
	MIB510	Serial Port Programmer	MICA, MICA2 (51-pin connector, top-side) MICA-Series sensor boards (51-pin connector, bottom-side) MICA2DOT (19-pin circular connector, bottom-side)	Serial (RS-232)	Serial (RS-232)
	MIB600	Ethernet Programming Board	MICA, MICA2 (51-pin connector) MICA2DOT (only with extension cable)	Ethernet	Ethernet
	SPB400	Stargate, Xscale Platform	<i>Main board:</i> PCMCIA, Compact Flash, MICA2 (51-pin connector) <i>Daughter card:</i> USB, RS-232, Ethernet, External power	With host PC: RS-232 or Ethernet (using ssh)	Various