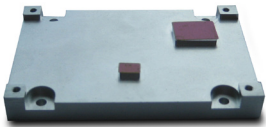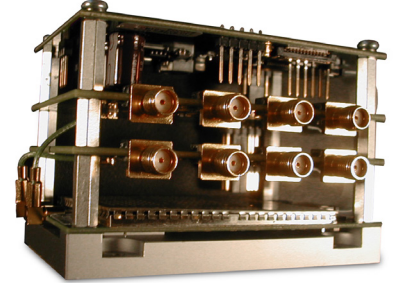# M5e Module Accessories

For the World-class UHF RFID M5e Module

The ThingMagic M5e Module Accessories allow developers to quickly create prototypes and products to meet a wide variety of applications.

- The M5e heatsink allows use of the M5e module in environments where continuous reading or high ambient temperatures are required.

- The 4 Port Multiplexer allows one M5e module to support up to 8 ports (using two multiplexers); compatible with M5e antenna detection and search algorithms.

- The Power / Interface board converts the M5e serial interface to high speed USB and conditions incoming DC power to support in-vehicle or AC powered applications.

- The optional hardware accessories kit contains sufficient interconnect cables and mounting/spacing hardware to create an 8-port reader "stack".
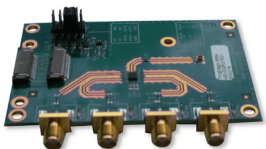
Heatsink (HSNK-M5E)	
Compatibility	Supports M5e and M5e-EU Modules
Dimensions	82 mm L x 54 mm W x 10 mm H
Mounting	M5e module is mounted to the heatsink using off-the-shelf M3 hardware (not included). Heatsink can be mounted to chassis via M3 screws or M3 threaded mounting posts & nut. Thermal pads are included.

Power Conditioning/Interface Module (PWBRD-5E)	
Interfaces	Power Input: 2.1mm DC input jack; Interface Input: USB mini-B jack or TTL on terminal block; Interface and Power Output: 12-pin ZIF ribbon cable connector
Output Power	5 V +/- 0.25 V at 2 A max
Input Power	8 to 24 VDC (12.5 W max, max current depends on voltage) (USB 5V is used only to detect port is active, not to power module)
Operating Temp.	-40 to +65 C
Dimensions	82 mm L x 56 mm W (including connector overhang) x 15 mm H
USB Interface	Up to 921.6 kbps (limit of M5e module)

Port Mulitplexer Module (MUX-5E-4)	
Compatibility	M5e, M5e-EU or M5e-Compact Modules
RF Ports	One 50 Ohm U.FL Common port; 4 SMA Switched Ports
Control Ports	Two module TTL GPIO lines on two "Pass Through" 12-Pin ZIF Ribbon cable connectors or TTL on terminal block
Insertion Loss	1 dB max
Frequency Range	840 – 960 MHz with DC pass-through for antenna detection
Power	3 to 5.5 V, 1 mA max
Operating Temp.	-40 to +85 C
Dimensions	82 mm L x 64 mm W (including connector overhang) x 8.5 mm H

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Create RFID-enabled solutions
using industry-standard tools

Deploy

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variety of new and existing environments

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Maximize productivity, improve ROI,
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