

RFID Embedded Modules

Embedded RFID Reader Modules are the building blocks of RFID devices. RFID modules are not used for out-of-the-box deployments, but instead are used for creating a new, RFID-enabled product, or adding RFID capabilities into an existing product.

All modules are available in the following regions: FCC, ETSI, TRAI, KCC, ACMA, SRRC-MII, MIC, and Open. [Contact us for more information.](#)

Product SKU

Impinj Reader Chip

M6E Replacement

Air Interface Protocols

Transmit Power

Receive Sensitivity

Data Interface

Max Read Rate

Max Read Range

Antenna Ports

Max DC Power Required

Dimensions

Carrier Board & Kit Options

Host API



ThingMagic Pico

M7E-PICO

Impinj E310

N/A

EPCglobal Gen2V2 (ISO 18000-63)

24 dBm

-80 dBm

UART 3.3V

300 tags/second

Over 3m (10 ft)

1 Antenna Port

2.5 W

18 x 21 x 3 mm (0.71 x 0.83 x 0.12 in)

M7E-PICO-CB
M7E-PICO-DEVKIT

C, C#, .NET, Java



ThingMagic Deka

M7E-DEKA

Impinj E310

M6E-NANO

EPCglobal Gen2V2 (ISO 18000-63)

27 dBm

-80 dBm

UART 3.3V

300 tags/second

Over 4.5 m (15 ft)

1 Antenna Port

3.1 W

18 x 21 x 3 mm (0.71 x 0.83 x 0.12 in)

N/A
M7E-DEKA-DEVKIT

C, C#, .NET, Java



ThingMagic Hecto

M7E-HECTO

Impinj E310

M6E-NANO

EPCglobal Gen2V2 (ISO 18000-63)

27 dBm

-80 dBm

UART 3.3V

300 tags/second

Over 4.5 m (15 ft)

1 Antenna Port

3.1 W

22 x 26 x 3 mm (0.866 x 1.0 x 0.12 in)

N/A
N/A

C, C#, .NET, Java



ThingMagic Mega

M7E-MEGA

Impinj E510

M6E-MICRO

EPCglobal Gen2V2 (ISO 18000-63) with DRM

30 dBm

-87 dBm

UART 3.3V

600 tags/second

Over 9 m (30 ft)

2 Antenna Ports

5.75 W

46 x 26 x 4 mm (1.8 x 1.0 x 0.16 in)

N/A
M7E-MEGA-DEVKIT

C, C#, .NET, Java



ThingMagic Tera

M7E-TERA

Impinj E710

M6E-M and **M6E-A**

EPCglobal Gen2V2 (ISO 18000-63) with DRM

31.5 dBm

-93 dBm

UART 3.3V

800 tags/second

Over 12 m (36 ft)

4 Antenna Ports

7.2 W

46 x 26 x 4 mm (1.8 x 1.0 x 0.16 in)

M7E-TERA-CB
M7E-TERA-DEVKIT

C, C#, .NET, Java