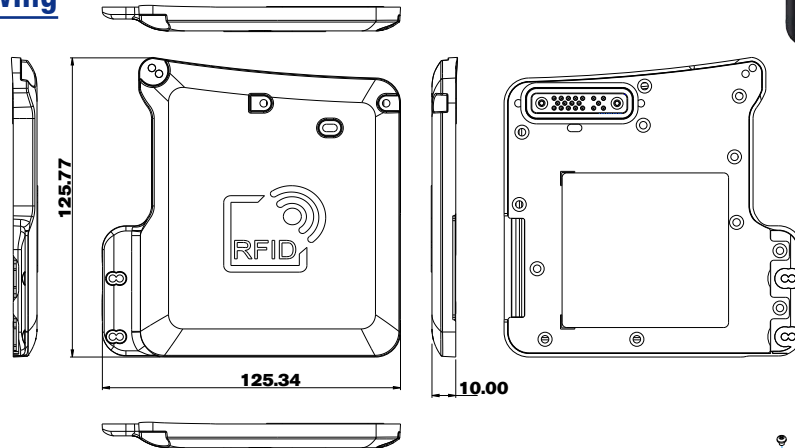# UHF RFID Reader Module for M101 Series
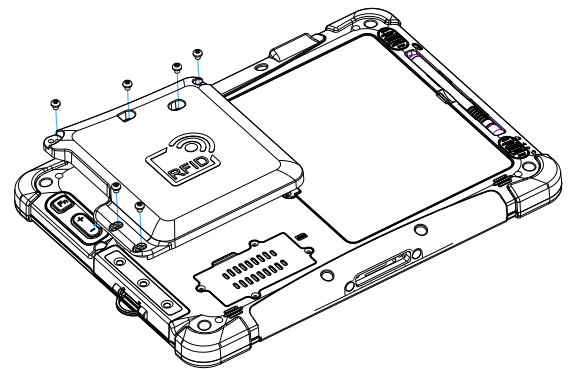
Product Features

- Integrated ThingMagic M6e-Micro module
- Integrated orientation antenna for fast and accurate tag reads
- Power transmission up to +30 dBm (1 Watt) power
- Read-Range 3+ Meters for 2x8 cm UHF tags in unobstructed space
- Option of 865-868 MHz and 902-928 MHz
- Supports EPCglobal Gen 2 (ISO 18000-6C) protocol
- Easy to install and operate

Mechanical Drawing

Installation Procedure

1. Remove expansion port cover from the rear side of M101 Tablet PC.
2. Align the Pogo Pin on UHF-M101 to the expansion port of M101 Tablet PC; screw to fix the module on tablet.
3. Turn on the power of UHF-M101 through Hottab utility (Extend_USB).
4. Install the driver and utility needed.

Specification

Tag / Transponder Protocols	
RFID Protocol Support	EPCglobal Gen 2 (ISO 18000-6C) with max backscatter rate of 640 kbps IP-X and ISO 18000-6B optional
Regulatory	Basing on different frequencies supported. • FCC (NA, SA) 902-928 MHz • KCC (Korea) 917-920.8 MHz • ACMA (Australia) 920-926 MHz • SRRC-MII (P.R.China) 920-925 MHz • ETSI (EU, India) 865.6-867.6 MHz • TRAI 865-867 MHz (India)
Power transmission (dBm)	up to +30 dBm (1 Watt) power
Read Range	3 meters for 2x8 cm UHF tags in unobstructed space *
Certificate	Contains FCC ID: QV5MERCURY6E-M.

Environment & Mechanical		Software Support	
Dimension	125.77 x 125.34 x 10.0 mm	Support OS	Windows 8, Windows 8.1, Windows 7
Operating Temp.	-10℃ to +60℃	Test Utility	ThingMagic Universal Reader Assistant supported
Storage Temp.	-20℃ to +70℃		

Ordering information

Model No.	Part Number
UHF-M101	98K000A0004J

*Note: Please note that the read range depends on the actual environment, and can be affected with different UHF RFID Tag IC used.