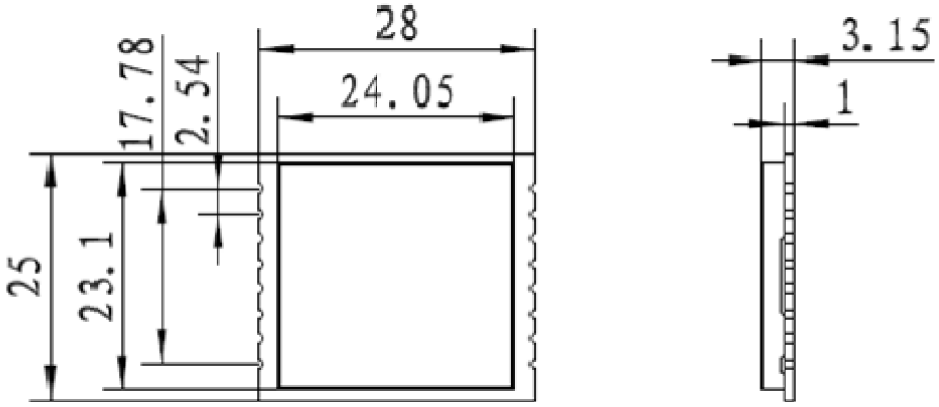
Spart-X2

Middle distance UHF RFID Module

For RFID Write / handheld reader integration



- ✓ **Powerful:** Developed based on PR200 core platform
- ✓ **Cost effective:** Low power dissipation, small size, a single SOCsolution
- ✓ **Excellent:** Max UHF RFID Chip performance
- ✓ **Advanced:** Digital signal processing highly integrated structure
- ✓ **Humanist:** miniaturization design for easier integration application
- ✓ **Omnipotent :** API simplification packed for kinds of device development

TYPICAL APPLICATIONS:

- ✓ Handheld RFID Reader integration
- ✓ Split-type Fixed RFID Reader integration
- ✓ Integrated RFID Reader
- ✓ RFID Tag Writer
- ✓ RFID embedded equipment such as Tag Printer, ATM, anti-counterfeiting equipment, identification system equipment, WMS system channel equipment and so on, intelligent mobile phone, handheld terminal, desktop reader, industrial control device and so

Physical	
Size:	28mm x 25mm x 3.15mm
Weight:	7g
Housing Material:	PCB
Power supply:	DC+3.3V/5V
Consume：	3W (at 25dBm)
Antenna interface	1 port available
UHF RFID	
Protocol:	ISO/IEC18000-6B,6C / EPC C1Gen2
Frequency:	USA:902 MHz- 928MHz (FCC part 15) EU:865-868MHz (ETSI EN 302208) CHN:920-925MHz

Functions	read single/multi-tag, write, lock, encrypt, kill the appointed tag
Decoding method	FM0, Miller 2/4/8
Supported data rate	40k，160k，32 k，400k
Output Power:	0dBmm-27dBm(±1dBm) adjustable
Maximum output power	700mA @ +25dBm
Power adjustment:	1dBm step-by-step
Channel bandwidth:	＜200KHz
Frequency stability:	≤±10ppm
Output VSWR	≤1.3：1 (depending on antennas)
Interface:	UART(TTL)
Work Mode:	Fixed/hop frequency optional
Communication speed	10m/100m self-adaptable
Reading speed	>100 times/S
I/O interface	2 optcoupler input/ **2 relay output**
Anti-collision	Excellent ant-collision algorithm, support intensive multi-tag reading
Software	antenna/power detection, online update, data filtering
Testing condition：	connected 8dBi liner polarization antenna
Reading Distance:	0-8m (depending on antennas and application environment)
Writing Distance:	0-2m (depending on environment)
Operational Environment	
Working Temperature:	-20 - +70° C
Storage Temperature:	-45- +85° C
Related humidity：	10%-95%