



FS-GM201 Specification

System	
Host Interface	Mini-card (USB / UART / LED / Reset / Debug Port / JTEG / SAMBA / 5V DC in / GND)
Chipset	PHY: Impinj R1000 MAC: ATMEL AT91SAM7S-256
Operating Voltages	5.0V+/-5%
DC Power	1.1A @ 30dBm
Protocol	
RFID Protocol Support	EPC Gen 2 ISO 18000-6C
Support EPC DRM	Yes (with DRM Filter)
RF	
Frequency	US: 902 ~ 928MHz (FHSS) EU: 865 ~ 868MHz
Demodulation	ASK or PSK
Modulation Depth	90% nominal
Data Encoding	FM0 or Miller code
Bit Rate	Supports uplink data rates of up to 640 Kbps
TX Output power	5 ~ 30dBm in 0.1dB step
Antenna Type	Mono-static or Bi-static (option)
Antenna connector	2 SMA connectors or 1 U.FL connector (option)
Regulatory and Environmental Compliance	
EMC certification	FCC 47 CFG Ch.1 Part 15 (US) ETSI EN 302 208-1 (V1.1.1) (EU)
Temperature Range	Operating: 0 ~ 55 degree C, Storage: -20 ~ 85 degree C
Humidity	10% ~ 85% Non-condensing
Software	
Driver	Windows XP / Linux
Mechanical	
Dimension	69mm x 40mm x 7 mm ± 0.25mm