



## FS-GM101 Specification

<b>System</b>	
Host Interface	UART/GND/VCC
Chipset	MAC/PHY: PHYCHIPS PR9000
Operating Voltages	5V +/-5% or 3.3V +/-5% (option)
DC Power	500mA max. @ 24dBm
<b>Protocol</b>	
RFID Protocol Support	EPC Gen 2 ISO 18000-6C
Support EPC DRM	No (without DRM Filter)
<b>RF</b>	
Frequency	US: 902 ~ 928MHz EU: 865 ~ 868MHz
Demodulation	ASK
Modulation Depth	90% nominal
Data Encoding	FM0 or Miller code
Bit Rate	Supports uplink data rates of up to 465Kbps
TX Output power	With PA: 24dBm max. Without PA: 10dBm max.
Antenna Type	Mono-static
Antenna connector	U.FL Ultra-Miniature Coaxial Connectors
<b>Regulatory and Environmental Compliance</b>	
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
<b>Software</b>	
Driver	COM Port: Low Level Command
<b>Mechanical</b>	
Dimension	30mm x 30mm x 3 mm ± 0.25mm