

Favite's FS-GM251, an Indoor POS Reader, is an outstanding and professional device that supports desktop reading and writing of EPC Global Gen 2 tags. The FS-GM251 is embedded with a high-tech Favite FS-GM201 Compact UHF RFID module and is powered from a host PC or notebook through an USB or RS-232 interface. Favite is proud to present FS-GM251 with its various application tools, such as Window.net development tools, or C#, and Java tools.



Features

- > EPC C1 Gen 2 / ISO 18000-6C
- > Impinj Indy R1000 embedded
- > Suitable for desktop use
- > Internal antenna with gain of 2dbic
- > Adjustable output power
- > Low power consumption
- > FCC/ETSI Certification
- > Recommend Read Range: 0.1M – 2.5M

Applications

- > Indoor POS Reader

System

Host Interface	USB, RS-232
Chipset	Impinj Indy R1000
Operating Voltages	5.0V+ / -5%
DC Power	1.3A @ 30dBm

Protocol

RFID Protocol Support	EPC Class 1 Gen 2 / ISO 18000-6C
Support EPC DRM	Yes

RF Features

Frequency	US: 902~928 MHz / EU: 865~868 MHz
Demodulation	ASK or PSK
Modulation Depth	90% nominal
Data Encoding	FM0 or Miller code
Bit Rate	Supports uplink data rates up to 640K bps
TX Output power	5~30 dBm in 1dB step (Dense Reader Mode)
Antenna Type	Mono-static, Circular Polarization
Antenna Gain	2 dbi

Regulatory and Environmental Compliance

EMC certification	FCC 47CFR Ch.1 Part 15 (US) / ETSI EN 302 208-1 (V1.1.1) (EU)
Temperature Range	Operating: 0 ~ +50 degree C Storage: -40 ~ +85 degree C
Humidity	10% ~ 85% Non-condensing mode

Software

Driver	Windows XP / Linux
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Mechanical

Dimension	200mm x 180mm x 32mm ± 0.25mm
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