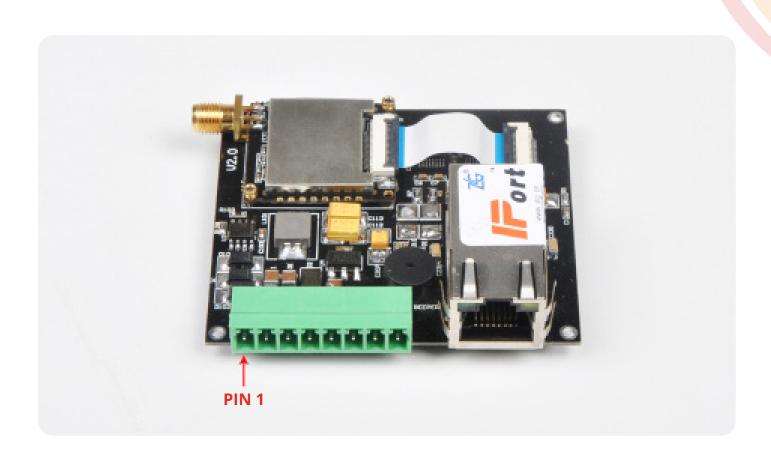


RFGATE RGR01 RFID GELİŞTİRME SETİ-IP Port



INTERFACE DEFINITION LIST			
PIN	INTERFACE	DESCRIPTION	
1	+ 12V	12V Power supply	
2	GND	Common ground with +12V external power	
3	RS-232 TXD	RS-232 data output	
4	RS-232 RXD	RS-232 data input	
5	GND	Common ground with RS-232 interface	
6	GIPO3	GPIO3 or Wiegand Data 0	
7	GIPO4	GPIO4 or Wiegand Data 1	
8	GND	Common ground with Wiegand data 0	



RFGATE RGRO1 RFID GELİŞTİRME SETİ-IP <mark>P</mark>ort

SPECIFICATIONS	TM07 UHF RFID IP Module
Phychip PR9200 Inside	PR9200 has an outstanding performance with a low cost.
Excellent Performance of Reading Tags	 Identifying Tags sensitively and stably. Stable read distance is 2-3m with Microstrip ceramics antenna. 8dBi Circular Polarization Planar Antenna: >10m. 12dBi Linear polarization antenna: >15m. Performance of multi-tags identification: >50pcs. Read rate: >50pcs/s.
Completely Solve the Problem of Heat	 Don't need any cooling devices. No heat during long-term continuous full load working at room temperature. Continuous Current <200mA @26 dBm Output (3.5V Power Supply). Peak pulse current <260mA @26 dBm Output (3.5V Power Supply).
Excellent Stability	 24 hours X 365 days continuous working without Crash. Less influence by shell, electromagnetic environment, etc. Wide temperature design. Temperature Coefficient is very low.
Excellent Consistency	A model of design consistency.Every indicators are calibrated rigorously, ensure consistency.
Simple and Efficient Interface	 Communication interface is compatible with our INDY R2000 series. Peripheral circuits are very simple, single power, don't need to connect Ta. capacitor externally (See figure 1: Circuit Design Reference).
Supports Two Installation Methods	 Supports RF connector + FPC connector installation method. Supports Surface Mount Solder.
Input Voltage	DC 3.5V - 5 V
Standby Mode Current	<80mA (EN High Level)
Sleep Current	<100uA (EN Low Level)
Operating Current	180mA @ 3.5V (26 dBm Output, 25°C) 110mA @ 3.5V (18 dBm Output, 25°C)
Starting Time	<80mS
Operating Temperature	- 20 °C - + 70 °C
Stor age Temperature	- 20 °C - + 85 °C
Operating Humidity	< 95% (+ 25 °C)
Air Interface Protocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
Spectrum Range	UHF 866-868 MHz (EU)
Supported Regions	US, Canada and other regions following U.S. FCC Europe and other regions following ETSI EN 302 208 Mainland China/Japan/Korea/Malaysia/Taiwan
Output Power	0-26 dBm
Output Power Precision	+/- 1dB
Output Power Flatness	+/- 0.2dB
RF Connector	I-PEX
Receive Sensitivity	<-70dBm
Peak Inventory Speed	> 50 pcs/s
Tag Buffer Size	200 pcs @ 96 bit EPC
Tag RSSI	Supported
Host Communication	TTL Uart port Wiegand 26 Wiegand 34
GPIO	2 input 2 output (3.3V TTL Level)
Baud Rate	115200 bps (Default and Recommended) 38400bps
Cooling	Air cooling (Don't need external Heatsink).

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