



BBT ANTENNAS INC

High efficiency RFID Reader



Features:

- ★ The new-generation Impinj E710 reader chip
- ★ 30dBm RF output
- ★ Built-in 9dBi antenna
- ★ IP67 waterproof, UV protection rating, suitable for various harsh environments
- ★ Lightweight, high gain, low power consumption, high heat dissipation level, stable read and write performance
- ★ Easily applicable in RFID scenarios such as access control channel, gate control, logistics management, vehicle management, etc.

Part Number	BBT-270E710
Frequency	North America: 902-928MHz FCC (NA,SA) Europe: 865-868MHz (ETSI) Full band: 860-960MHz (OPEN)
Polarization Type	Circular
Gain	9dBi
Chip	Impinj E710
Air Protocol	EPC global UHF Class 1Gen2 (ISO 18000-6C)
RSSI, Temperature Detection	Support
Sensitivity	-87dBm@20%BER
Max Input Power	5dBm~30dBm(± 1 dB) Configurable MAX,30dBm
Dimensions H*W*D (mm)	270*270*82(mm)

RF Performance

Peak Tag Inventory Speed	>1000tags/s
Read Range	0-20m(9662 Blank Tag)
Tag Buffer	1000Tags@96 bit EPC

Communication / Indicator Interfaces

Communication	Standard Configuration: 10/100Base-T RJ-45, RS232 Optional configuration: RS485, Wiegand, USB
GPIO	1x GPIO Input, 1x GPIO Output
Buzzer	Build-in

Power Supply Specifications

Voltage	DC-12V, 2A
Max Power Consumption	6.75W(Peak)
Standby Power Consumption	1.76W

Environmental Parameters

Operating Temperature	-25°C~+65°C
Storage Temperature	-40°C~+85°C
Humidity	5~95% Non-Condensing (+25°C)

API

Support API	C, C#, .NET, Java
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BBT Website

①rs232(default)	4	3	2	1	
Definition of line sequence	GND	TX	RX	NC	
②GPIO	5	4	3	2	1
Definition of line sequence	COM1	NO1	IN1	GND	GPIOV
③Power Source	DC9-24V				
④Net Gape	RJ45 (4chips)				



BBT ANTENNAS INC

UHF RFID Reader



Features:

- ★ The new-generation Impinj E310 reader chip
- ★ 30dBm RF output
- ★ Built-in 8dBi antenna
- ★ IP67 waterproof, UV protection rating, suitable for various harsh environments
- ★ Exquisite appearance(LED)、high gain, low power consumption, high heat dissipation level, stable read and write performance
- ★ Easily applicable in RFID scenarios such as access control channel, gate control, logistics management, vehicle management, etc.



Features:

- ★ Adopt the new generation Impinj E310 reader chip.
- ★ 30dBm RF output.
- ★ Built-in 5dBi antenna.
- ★ IP67 waterproof, UV protection grade, suitable for all kinds of harsh environments.
- ★ Small in size, high in gain, low in power consumption, fast in read and write speed, and stable in performance.(Industrial grade
- ★ It can be conveniently applied in RFID scenarios such as passageways or access control, automatic sorting lines, and vehicle management.

Part Number	BBT-200E310	BBT-145E310
Frequency	North America: 902-928MHz FCC (NA,SA) Europe: 865-868MHz (ETSI) Full band: 860-960MHz (OPEN)	
Sensitivity	-73dBm@10%BER	
Dimensions H*W*D (mm)	200*200*56(mm)	145*145*47.5(mm)
Peak Tag Inventory Speed	>350tags/s	
Read Range	0-20m(9662 Blank Tag)	0-12m(9662 Blank Tag)
Tag Buffer	1000Tags@96 bit EPC	