UHF LONG
RANGE READER

UHF LONG
RANGE READER

TMT Global long range Integrated Reader widely applied in intelligent transportation, customs access management, warehouse logistics.

Applications
- ☐ Vehicle parking, intelligent weighing
- ☐ Warehouse, logistics management
- ☐ Asset management
- ☐ Production line management

Functions
- ☐ UHF (860-868MHz) band, equipped with 12 DBI antenna
- ☐ Support standard RS-232, Wigand interface
- ☐ Multi-group I/O ports, controlling the functional mode of the reader/writer
- ☐ Order-trigger, set time-trigger and out-trigger suitable for customer's applications
- ☐ Upgrade firmware by serial port online
- ☐ Strong API user interface

Performance Index	
Operating Frequency	860-868MHz, RF band customized (optional)
Frequency Hopping	FHSS or Fixed Frequency
Power Output	+20dBm ~ +30dBm@50Ω load, 1dBm each step
Antenna	Built-in 12dBi linear polarization antenna (horizontal/vertical customized)
Communication Interfaces	RS-232, Wiegand 26/34
Optional Interfaces	RS-485, 802.11 WIFI Module and 10M/100M Ethernet interfaces
I/O Interfaces	2-channel Relay Output, 2-channel Trigger Input, 2-channel level Output (optional)
Firmware Update	Firmware Upgrade
Application Software Platform	API(C++, C#) development kit (can be customized)
Tag Operation	
Tag Protocol	ISO18000-6B, EPC Class 1 Gen 2(ISO18000-6C)
Reading Range	0~15m
Writing Range	0~5m
Mechanical/Electric Performance	
IP Rating	IP66
Indicator	Buzzer and LED(Power, Antenna, Reading/Writing)
Power	DC 12V
Power Assumption	2W(Standby), 10W(Working)
Product Dimension	445mm x 445mm x 78mm (LxWxH)
Package Dimension	600mm x 500mm x 110mm (LxWxH)
Net Weight	3.5kg
Gross Weight	6.23kg
Operating Temperature	-40°C ~ +60°C
Storage Temperature	-60°C ~ +80°C
Humidity	5%～95%(non-condensing)

ORDER INFORMATION	
Model No	**Description**
TMT-7641	LONG RANGE UHF READER UP TO 15M RANGE

3 YEAR WARRANTY

Long Range UHF Reader Up to 10M Range

TMT Global long range Integrated Reader widely applied in intelligent transportation, customs access management, warehouse logistics.

<u>Applications</u>
- ☐ Vehicle parking, intelligent weighing
- ☐ Warehouse, logistics management
- ☐ Asset management
- ☐ Production line management

Functions
- ☐ UHF (860-868MHz) band, equipped with 10 DBI antenna
- ☐ Support standard RS-232, Wigand interface
- ☐ Multi-group I/O ports, controlling the functional mode of the reader/writer
- ☐ Order-trigger, set time-trigger and out-trigger suitable for customer's applications
- ☐ Upgrade firmware by serial port online
- ☐ Strong API user interface

Performance Index	
Operating Frequency	860-868MHz, RF band customized (optional)
Frequency Hopping	FHSS or Fixed Frequency
Power Output	+20dBm ~ +30dBm@50Ω load, 1dBm each step
Antenna	Built-in 12dBi linear polarization antenna (horizontal/vertical customized)
Communication Interfaces	RS-232, Wiegand 26/34
Optional Interfaces	RS-485, 802.11 WIFI Module and 10M/100M Ethernet interfaces
I/O Interfaces	2-channel Relay Output, 2-channel Trigger Input, 2-channel level Output (optional)
Firmware Update	Firmware Upgrade
Application Software Platform	API(C++, C#) development kit (can be customized)
Tag Operation	
Tag Protocol	ISO18000-6B, EPC Class 1 Gen 2(ISO18000-6C)
Reading Range	0~10m
Writing Range	0~5m
Mechanical/Electric Performance	
IP Rating	IP66
Indicator	Buzzer and LED(Power, Antenna, Reading/Writing)
Power	DC 12V
Power Assumption	2W(Standby), 10W(Working)
Product Dimension	445mm x 445mm x 78mm (LxWxH)
Package Dimension	600mm x 500mm x 110mm (LxWxH)
Net Weight	2.5kg
Gross Weight	5.23kg
Operating Temperature	-40℃ ~ +60℃
Storage Temperature	-60℃ ~ +80℃
Humidity	5% ~ 95%(non-condensing)

ORDER INFORMATION	
Model No	**Description**
TMT-7642	LONG RANGE UHF READER UP TO 10M RANGE

Long Range UHF Reader Up to 6M Range

TMT Global long range Integrated Reader widely applied in intelligent transportation, customs access management, warehouse logistics.

Applications
☐ Vehicle parking, intelligent weighing
☐ Warehouse, logistics management
☐ Asset management
☐ Production line management

Functions
☐ UHF (860-868MHz) band, equipped with 6 DBI antenna
☐ Support standard RS-232, Wigand interface
☐ Multi-group I/O ports, controlling the functional mode of the reader/writer
☐ Order-trigger, set time-trigger and out-trigger suitable for customer's applications
☐ Upgrade firmware by serial port online
☐ Strong API user interface

Performance Index	
Operating Frequency	860-868MHz, RF band customized (optional)
Frequency Hopping	FHSS or Fixed Frequency
Power Output	+20dBm ~ +30dBm@50Ω load, 1dBm each step
Antenna	Built-in 12dBi linear polarization antenna (horizontal/vertical customized)
Communication Interfaces	RS-232, Wiegand 26/34
Optional Interfaces	RS-485, 802.11 WIFI Module and 10M/100M Ethernet interfaces
I/O Interfaces	2-channel Relay Output, 2-channel Trigger Input, 2-channel level Output (optional)
Firmware Update	Firmware Upgrade
Application Software Platform	API(C++, C#) development kit (can be customized)
Tag Operation	
Tag Protocol	ISO18000-6B, EPC Class 1 Gen 2(ISO18000-6C)
Reading Range	0~6m
Writing Range	0~5m
Mechanical/Electric Performance	
IP Rating	IP66
Indicator	Buzzer and LED(Power, Antenna, Reading/Writing)
Power	DC 12V
Power Assumption	2W(Standby), 10W(Working)
Product Dimension	445mm x 445mm x 78mm (LxWxH)
Package Dimension	600mm x 500mm x 110mm (LxWxH)
Net Weight	2.5kg
Gross Weight	5.23kg
Operating Temperature	-40℃ ~ +60℃
Storage Temperature	-60℃ ~ +80℃
Humidity	5% ~ 95%(non-condensing)

ORDER INFORMATION	
Model No	Description
TMT-7643	LONG RANGE UHF READER UP TO 6M RANGE