

# B7A

## Medium Range Integrated UHF Reader



High performance Integrated UHF RFID reader B7A is supporting ISO18000-6C protocol, medium range RFID reading, fast identification, excellent multi-tag reading, strong Anti-collision, automatic reading, white list functions. Widely used fixed asset management, logistic, warehouse inventory, products tracking transshipment, e parking system vehicle management, production automation etc.

- Powered by Impinj Indy R2000 chipset for maximum tag detection performance
- Delicate and compact design, more friendly with end users
- Various communication / software Interfaces helps faster application system
- Compactly Integrated design supports better deploy / installation / engineering / wiring
- Direct useable fast tag writing software greatly improves efficiency
- Widely used in working station, date issuing, retail cashier, check points, access control, etc.



RFID UHF



GPIO



RS232



ETHERNET



# B7A Specifications

## Physical Characteristics

<b>Dimensions</b>	164 * 164 * 49.6mm
<b>Weight</b>	700g
<b>Material</b>	Die-cast aluminum / ABS Cover
<b>Power Supply</b>	9-30Vdc 30W
<b>Interfaces</b>	RS232 / Ethernet 10/100TP
<b>GPIO</b>	1 input(DC 0-24V), 1 output(DC_MAX:30V,2A; AC_MAX:125V,0.3A), optically isolated

## System

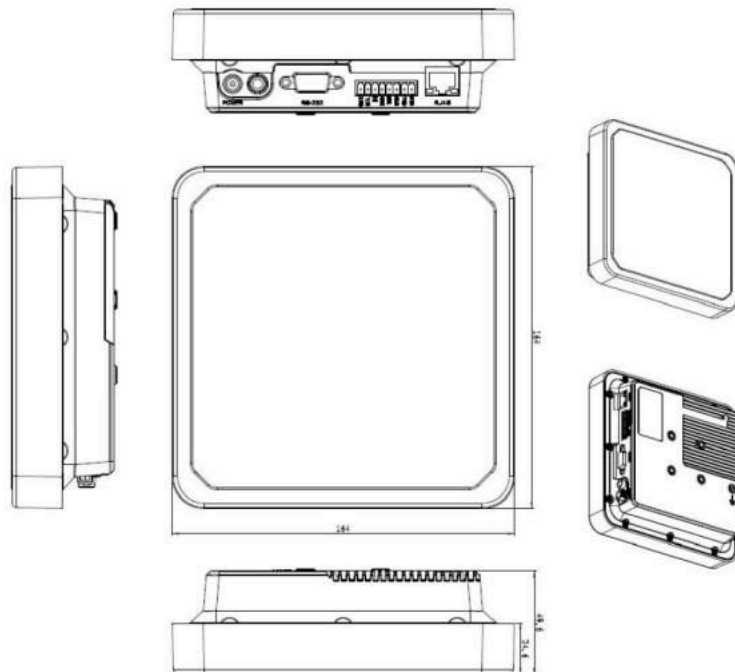
<b>Processor</b>	AMR9 400Mhz
<b>Memory</b>	Flash 128MB; DRAM 32 MB
<b>Operating System</b>	Embedded Linux 2.6
<b>API Support</b>	Windows platform - .net / C++ / Java SDK Android platform - Java Linux platform - C and Java SDK

## User Environment

<b>Operating Temp.</b>	-20 °C to 65 °C
<b>Storage Temp.</b>	-40 °C to 85 °C
<b>Humidity</b>	10%RH - 95%RH non condensing
<b>Sealing</b>	IP54 per IEC sealing specifications
<b>ESD</b>	±15KV air discharge, ±4KV conductive discharge

## RFID

<b>UHF</b>	
<b>Engine</b>	Impinj Indy R2000
<b>Protocol</b>	EPC C1 Gen2 / ISO18000-6C 865-868Mhz ETSI 920-925Mhz FCC 902-928Mhz China
<b>Frequency</b>	
<b>Output Power</b>	1W (30dBm, adjustable 1dBm Step)
<b>Output Power Precision</b>	± 1dBm
<b>Output Power Flatness</b>	± 0.2dBm
<b>RSSI</b>	Supported
<b>Ambiente Temperature Monitor</b>	Supported
<b>Antenna</b>	Circular 6dBi, VSWR ≤ 1.2:1



TechSigno srl is an independent company that build RFID system and intelligent objects for multimedia, industrial, transportation, medical, and wireless applications. Working closely with our customers, we meet the specific made-to-order demands of our customer to achieve maximum functionality, efficiency, reliability and therefore satisfaction.

TechSigno Srl  
Via del Boschi, 2/13 - 33040 Pradamano (UD) - ITALY  
T. +39 0432 603604 @ info@techsigno.com