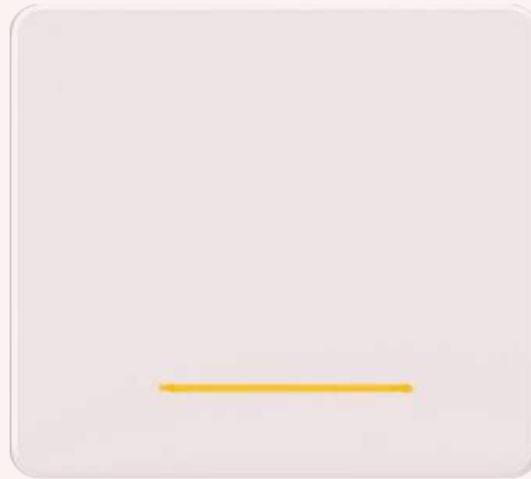# UHF Reader for Toll ETC – Impinj E710 Module Model: NTS IR-05

★ **Key Features:**

- Impinj IndyE510/E710 (Optional) chipset offer high performance
- Aluminum casting / waterproof housing apply to all weather industrial scenarios
- Various communication / software Interfaces helps faster application system
- Different developing languages SDK meet different developer needs
- Excellent communication protocol architecture support faster data processing algorithm
- Integrated design supports better deploy /installation / engineering / wiring
- Special application projects customized interfaces / data transferring prolongable
- Seamlessly compatible with RFID middleware for rapid implementation of large projects
- Widely used in E-parking, garbage truck, feeding vehicle, access control and so on

Technical Specification of Sensor	
HARDWARE, OS AND FIRMWARE MANAGEMENT	
Firmware Upgrade	Demo software / Telnet
API Support	Windows - .NET, C++ and Java SDK Android - Java Linux platform - C and Java SDK
PHYSICAL CHARACTERISTICS	
Weigh	Main body 1.4Kgs t
Dimensions	276mm×276mm×40mm
Housing Material	Aluminum plate / ABS cover
RFID CHARACTERISTICS	
Air Protocols	ISO/IEC18000-6B,6C / EPC C1Gen2
Frequency	USA: 902 MHz-928MHz (FCC part 15) EU: 865-868MHz (ETSI EN 302208) CN: 920-925MHz (CMIIT)
Chipset -	Impinj E510 (E710- Optional)

Programing Functions	Automatic reading/ White list Breakpoint Resume / Match reading / Data filter Data format customizable (PLC / Modbus compatible) RF Micron / EM Temperature sensor custom Services.
Supportable /Optional	Russian / Japan / Korea / Malaysia / Thailand / other customizable
Built-in antenna	Circular 9dBi, VSWR ≤ 1.2:1
Output Power	0dBm-30dBm (±1dBm) adjustable
Channel bandwidth	>200KHz
Reading Distance	0-15m (According to Tag & Environment)
Anti-collision	RSSI / multi-tag / intensive inventory supportable
Work Mode	Fixed/hop frequency optional
CONNECTIVITY	
Communications	RJ45, RS-232, RS-485, Wiegand
General Purpose I/O	1 optcoupler input, 1 pair 5V output or Wiegand output (Wiegand output is shared with 5V output)
Power supply	DC 24V/2.5A (DC 9V ~ 30V,30W)
ENVIRONMENTAL	
Operating Temp. -	-30 - +70°C
Storage Temp. -	-40 - +85°C
Humidity -	5-90% non-condensing (+25℃)
Sealing -	Ip66