

## FU-M6-IN1

# IP68 Integrated UHF RFID Reader



100\*100\*43mm

**FU-M6-IN1 ZEUS** is an easy to install, small size, high performance, low cost ,anti-interference, integrated 2dbi antenna, Die-cast aluminum & ABS shell, M12 connector, IP68 designed for Industrial and Harsh environments

Driven by ThingMagics powerful M6e-Nano UHF RFID Module, ZEUS Reader provide command and control via its TCP/IP serial or RS485 interface to computer or PLC System.

Support Modbus system (optional).

### Features & Benefits:

- Built Around Proven ThingMagic Technology
- Based on Thingmagic Mercury API software
- World-wide frequency coverage
- Reads up to 200 tag per second
- Independent read and write RF controls
- Power signal ESD: ±8kV (contact) ; ±15kV (air)
- Antenna signal ESD: ±4kV (contact) ; ±15kV (air)
- Optically Isolated Inputs or Output \*1
- Operating Temperature: -20°C to +55°C
- Storage Temperature -40°C to +85°C
- Humidity: 5% to 95% (non-condensing)
- Degree of protection: IP 68
- Programming Interface: Java, C

Tag / Transponder Protocols			
RFID Protocol Support	ISO18000-6C (EPC Class1 Gen 2) / Gen2v2		
UHF RFID Antenna Interface			
RF Power	Separate read and write levels, command adjustable from 0 to 27 dBm in 0.1dBm steps*		
Regulatory	FCC (NA, SA) 902-928 MHz / ETSI (EU) 865.6-867.6 MHz / TRAI (India) 865-867 MHz / KCC (Korea)917-920.8 MHz / ACMA (Australia) 920-926 MHz / SRRC-MII (P.R. China) 920-925 MHz / MIC (Japan)916.8-923.4 MHz 'Open' (Customizable channel plan; 865-869, 902-928 MHz)		
Data/Control/Wireless Interfaces			
Connector	M12 -8 Pin		
Cable	M12-8 Pin : Power*2 & Data * 3 & GPIO *1		
LED	Red & Yellow & Green * 1		
Reset	Power Off		
Physical			
Dimensions	100*100*43mm	Weight	0.3 KG
Power			
DC Power	12VDC, Max DC power: 20 W;		
Environment			
Temperature	Operating :-20°Cto+55°C ; Storage: - 40°Cto+85°C		
Humidity	5% to 95% (non-condensing)		
Shock Vibration	Survives 1 meter drop during handling		
RFID performance			
Max Tag Cache	>10M bits		
Max Tag Read	>200 tag/s		
Max EPC ID	512 bits		
Architecture			
Networking	TCP/IP or RS485		
Programming Interface			
Host API	Java, C		
Certification and Safety			
Certification	Thingmagic M6e-Micro Module : FCC47 CFR CH.1Part15; Canada (Industrie Canada RSS-21 0); EU (ETSI EN 302 208 v3.1.1, RED 2014/53/EU)		
Other	ROHS		
Ordering Information			
FU-M6-IN1-L	TCP/IP		
FU-M6-IN1-R	RS485		
FU-M6-IN1-M	Modbus		