Industrial Bus Gateway

VG-NM2025

Performance parameter	
Signal type	8-channel IO port, 4-channel RFID port
Supply voltage	9-18V～ 30VDC
Supply current	Imax<=0.3A
Communication Interface	M12-4 Hole connector
Protocol	ProfiNet、EtherCAT、EtherNet/IP、CC-LINK

Physical parameter	
Dimensions	66×236×22mm
Operating temperature	-40°C～ +70°C
Storage temperature	-40°C～+85°C
Relative humidity	5% ～95%, Non-condensing state
Protection level	IP67
Electromagnetic Compatibility	EN61131-2/EN50082-2

Wiring

Gateway and reader connection line

gateway power cord

gateway and PLC communication line

Industry case

New energy management

engine assembly management

automobile assembly management

injection mold management

3C/home appliance industry management

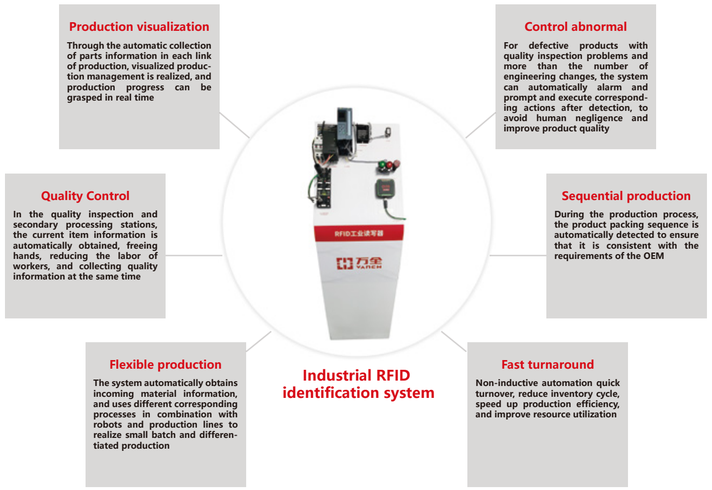
electroplating management

logistics automatic production line management

paint shop management

Industrial RFID Identification System Product Manual

The industrial RFID identification system is mainly composed of industrial readers, industrial bus gateway modules, power modules, PLC controllers, stepping motors, and stepping motor drivers.



Application field

Industrial RFID identification systems are widely used in automated production line projects, such as AGV car navigation, conveyor lines, sorting lines, cycle logistics, automatic Chemical production line, mold management, auto parts assembly line and other fields.


AGV car navigation


logistics sorting line


auto parts management


machine tool management


industrial manufacturing


die casting process control


truss robot management


intelligent warehouse management

Industrial HF RFID reader


VI-IR50-HF

Performance parameter	
Protocol standard	ISO-15693/ISO-14443A
Working frequency	13.56MHz
Communication Interface	RS485 OR TCP Ethernet
Voltage	9~30VDC
Reading distance	0~8cm(related to tag)

Physical parameter	
Dimensions	50×50×40mm
Total Weight	120g
Protection level	IP67
Shell material	PC+ABS
Operating temperature	-25℃~+70℃

VI-IR620

Performance parameter	
Protocol standard	ISO-15693
Working frequency	13.56MHz
Communication Interface	RS232 or RS485or POE
Voltage	18~30VDC
Reading distance	0~15cm(related to tag)

Physical parameter	
Dimensions	90*94.9*40mm
Total Weight	0.33kg
Protection level	IP67
Shell material	PS+ABS
Operating temperature	-25℃~+70℃


VI-C618

Performance parameter	
Protocol standard	ISO-15693
Working frequency	13.56MHz
Communication Interface	RS485
Voltage	DC 24V
Reading distance	0~4cm(related to tag)

Physical parameter	
Dimensions	18mm*80mm
Total Weight	80g
Protection level	IP67
Shell material	ABS+Aluminum alloy
Operating temperature	-25℃~+85℃


VI-C630

Performance parameter	
Protocol standard	ISO-15693
Working frequency	13.56MHz
Communication Interface	RS485
Voltage	DC 24V
Reading distance	0~7cm(standard IC)

Physical parameter	
Dimensions	30mm*90mm
Total Weight	150g
Protection level	IP67
Shell material	ABS+Aluminum alloy
Operating temperature	-25℃~+85℃

Industrial UHF RFID Reader


VI-IR610

Performance parameter	
Protocol standard	EPC ISO 18000-6C/6B
Working frequency	860Mhz - 960Mhz
Communication Interface	RS232、RS485
Communication protocol	ModBus RUT RS232 TCP/IP
Voltage	9-24V
Reading distance	30cm-200cm（related to tag）
Communication rate	9600～115200bps
GPIO function	Relay one in and one out

Physical parameter	
Dimensions	95×95×40mm
Total Weight	450g
Protection level	IP67
Shell material	-20℃～+85℃
Operating temperature	-20℃～+60℃
Humidity	5% ～95%, non-condensing
Connector	Round waterproof M10 pin socket
Installation method	Galvanized iron bracket with adjustable angle

VI-C610PN

Performance parameter	
Protocol standard	EPC ISO-18000-6C
Working frequency	902 MHz ~ 928 MHz
Communication Interface	Ethernet
Communication Protocol	ProfiNet、ModBus TCP
Voltage	24VPower over Ethernet 46-54V, DC 24V
Reading distance	0~200cm
Power consumption	2.6W

Physical parameter	
Dimensions	92×86×40mm
Total Weight	230g
Protection level	IP67
Storage temperature	-40℃~85℃
Operating temperature	-25℃~70℃
Humidity	10%~90% Non-condensing state
Drop test	1.2 Meter Free fall

VI-IR611

Performance parameter	
Protocol standard	EPC ISO 18000-6C
Working frequency	920MHz~925MH
Communication Interface	RS-485、TCP/IP、Industrial bus (Gateway)
Output Power	10~27dBm
Voltage	24VDC
Reading distance	More than 100cm （RF output 23dBm)
Step power	1dBm

Physical parameter	
Dimensions	80mm×85mm×40mm
Total Weight	350g
Protection level	IP67
Storage temperature	-20℃~+85℃
Operating temperature	-25℃~+60℃
Humidity	5% ~95%, Non-condensing state
Shell material	Engineering plastics