

ARMtronix TECHNOLOGIES LLP.

Hubballi, India.

Industrial Automation
Product Catalogue

IA015 : Retro to IIoT

Technical Data	IA015 : Retro to IIoT
Power Input	Industry Standard 24 V DC @ 1A
Operating System	N/A
Target Systems	Beckhoff PLC and Siemens PLC
Bluetooth	v4.2 BR/EDR
Wifi	802.11 b/g/n
CAN	CAN bus 2.0
Communication	Standard 2-Wire RS485/Modbus
Digital Input	3 – Inputs, 24 V DC Tolerable.
Digital Output	3 – Outputs, 24 V DC/300mA capable, Open Collector
Analog Input	4 – Inputs, 4-20mA DC Readable.
Ethernet	IEEE 1588 Precision Time Protocol
Modbus TCP	Standard modbus protocol over ethernet port.
Mounting	Din Rail. C-Type



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IA013 : Wifi <-> RS485 <-> LoRa

Technical Data	IA013: Wifi <- > RS485 <-> LoRa
Power Input	Industry Standard 24 V DC @ 1A AC 230 V / 1A (In Different Variant)
Operating System	N/A
Target Systems	Modbus Master or Modbus Slave
Bluetooth	v4.2 BR/EDR
Wifi	802.11 b/g/n
RF	LoRa WAN
LoRa Frequency	862 - 878MHz, Configurable in program
MCU	STM32F103CBT6
RS485 / Modbus	Standard 2-Wire Modbus communication
Mounting	Screw Type
Extra Features	On-field programmable



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IA010 : Modbus to IIoT

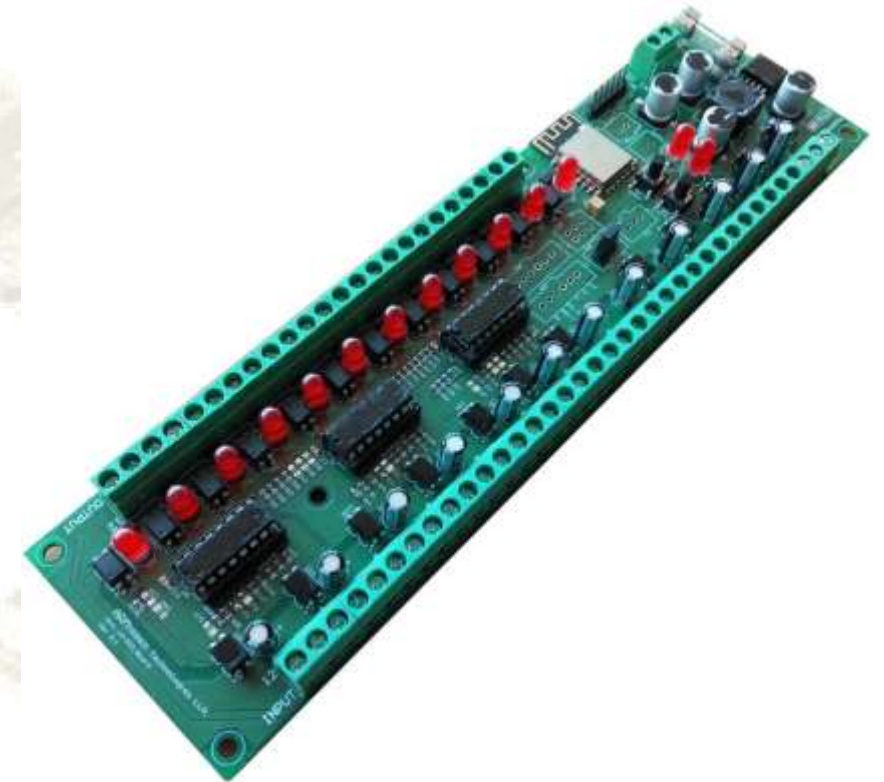
Technical Data	IA010 : Retro to IIoT
Power Input	Industry Standard 24 V DC @ 1A
Operating System	N/A
Target Systems	Programmable Logic Controller (PLC)
Bluetooth	v4.2 BR/EDR
Wifi	802.11 b/g/n
Communication	Standard 2-Wire RS485/Modbus
Digital Output	1 – Output, 24 V DC/300mA capable, Open Collector
Ethernet	IEEE 1588 Precision Time Protocol
Modbus TCP	Standard modbus protocol over ethernet port.
Mounting	Din Rail. C-Type



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IA009 : Wifi 12-DIO

Technical Data	IA009 : Wifi 12-DIO
Power Input	Industry Standard 24 V DC @ 1A
Operating System	N/A
Target Systems	MQTT Broker or Wifi Access point
Bluetooth	N/A
Wifi	802.11 b/g/n
Digital Input	12 – Inputs, 24 V DC Tolerable.
Digital Output	12 – Outputs, 24 V DC/300mA capable.
Mounting	Screw mount
Extra Features	I2C header for expansion



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IA008 : Wifi 2-DIO

Technical Data	IA008 : Wifi 2-DIO
Power Input	Industry Standard 24 V DC @ 0.5A
Operating System	N/A
Target Systems	MQTT Broker or Wifi Access point
Bluetooth	N/A
Wifi	802.11 b/g/n
Digital Input	2 – Inputs, 24 V DC Tolerable.
Digital Output	2 – Outputs, 24 V DC/300mA capable.
Mounting	Screw mount
Extra Features	I2C header for expansion



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IA005 : LoRa WAN – STM MCU

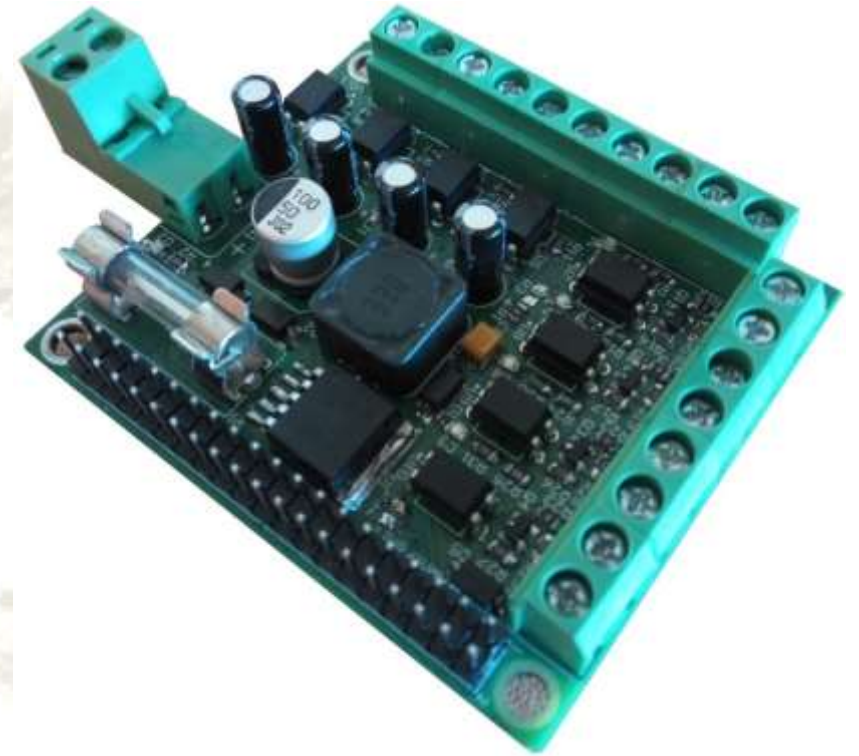
Technical Data	IA005: LoRaWAN – STM MCU
Power Input	5 V DC @ 1A
Operating System	N/A
Target Systems	Development application
Bluetooth	N/A
Wifi	N/A
RF	LoRa WAN
LoRa Frequency	862 - 878MHz, Configurable in program
MCU	STM32F103CBT6
Battery Charger	Yes, 1-Cell Li-Ion.
Mounting	Drop in / Wired
Extra Features	User programmable, On-Board Micro USB



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IA002 : RPi 4-DIO

Technical Data	IA002 : RPi 4-DIO
Description	Raspberry-pi Industry Standard DIO Board
Power Input	Industry Standard 24 V DC @ 1A
Operating System	N/A
Target Systems	Raspberry Pi
Bluetooth	N/A
Wifi	N/A
Digital Input	4 – Inputs, 24 V DC Tolerable.
Digital Output	4 – Outputs, 24 V DC/300mA capable.
Mounting	Drop-in Stackup / Screw mount
Connection	Drop-in with Female header / With external FRC



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IA003 : Rpi 4DIO UPS Board

Technical Data	IA003 : RPi 4-DIO UPS Board
Description	Raspberry-pi Industry Standard DIO and UPS Board
Power Input	Industry Standard 24 V DC @ 1A
Restart Switch	Yes (Power Recycle) and Auto Reboot
Target Systems	Raspberry Pi
RTC	Yes
Li-Po Charger	Single Cell for UPS application
Digital Input	4 – Inputs, 24 V DC Tolerable.
Digital Output	4 – Outputs, 24 V DC/300mA capable.
Analog Input	2 – Inputs, 0-5V Tolerant
Mounting	Drop-in Stackup / Screw mount
Connection	Drop-in with Female header / With external FRC



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IA001 : Wifi Industrial Button

Technical Data	IA001 : Wifi Industrial Button
Power Input	Industry Standard 24 V DC @ 0.5A
Operating System	N/A
Target Systems	MQTT Broker or Wifi Access point
Bluetooth	N/A
Wifi	802.11 b/g/n
Button	1 – Inputs, 24 V DC Tolerable.
LED Lamp	1 – Outputs, 24 V DC Tolerable.
Display	16x2 Character LCD
Mounting	Screw mount



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Thank You