

# Advantech » Remote I/O

## Ethernet I/O Modules



### ADAM-6200 Series

#### Daisy-Chain Ethernet I/O Modules

- Cloud management: configuration, monitoring, and firmware updates
- Daisy chain connectivity w/ auto-bypass protection
- Supports HTML5, JavaScript, XML
- Supports GCL and P2P functions
- Group configuration capability

#### Module Selection

- ADAM-6217: 8-ch AI module
- ADAM-6224: 4-ch AO/ 4-ch DI module
- ADAM-6250: 8-ch DI/ 7-ch DO module
- ADAM-6251: 16-ch DI module
- ADAM-6286: 4-ch Relay/ 4-ch DI module



### ADAM-6100 Series

#### Real-Time Ethernet I/O Modules

- Daisy chain connectivity
- Coupler-free design
- GSD, LSK, and EDS file-ready
- 2,500 VDC isolation protection

#### Module Selection

- ADAM-6117E/IPN: 8-ch AI module
- ADAM-6160E/IPN: 8-ch relay module
- ADAM-6150E/IPN: 8-ch DI/ 7-ch DO module
- ADAM-6151E/IPN: 16-ch DI module
- ADAM-6156E/IPN: 16-ch DO module

\*PROFINET-PN, EtherNet/IP, E/I



### ADAM-6000 Series

#### Smart Ethernet I/O Modules

- Cloud management: configuration, monitoring, and firmware updates
- Embedded web server
- Data stream function to push data
- Supports GCL and P2P functions
- Supports C#.NET and VB.NET

#### Module Selection

- ADAM-6015: 7-ch RTD module
- ADAM-6017: 8-ch AI/ 2-ch DO module
- ADAM-6050: 12-ch DI/ 8-ch DO Relay module
- ADAM-6080: 8-ch DI/ 8-ch Relay module

## RFID Introduction

**One-to-Many Wireless Configuration**

Shorten deployment time

**Always-On Wireless Inspection**

Trace module information

RFID Access Applicable to ADAM-4100 and ADAM-6200 series

## Serial I/O Modules



### ADAM-4100 Series

#### Robust RS-485 I/O Modules

- Wide operating temperature range (-40~85°C/ -40~185°F)
- High protection level: 4-kV surge, 3-kV EFT, 8-kV ESD
- High common mode voltage: 200 VDC
- Burnout detection

#### Module Selection

- ADAM-4117: Robust 8-ch AI module
- ADAM-4118: Robust 8-ch thermocouple
- ADAM-4150: 7-ch DI/ 8-ch DO module
- ADAM-4168: 8-ch relay module

### ADAM-4000 Series

#### RS-485 I/O Modules

- Watchdog timer
- ±35 VDC overvoltage protection
- 3,000 VDC voltage isolation

#### Module Selection

- ADAM-4017: 8-ch AI module
- ADAM-4024: 4-ch AO/ 4-ch DO module
- ADAM-4015: 8-ch RTD module
- ADAM-4051: 16-ch DI module
- ADAM-4055: 8-ch DI/ 8-ch DO module

## Wireless I/O Modules

### WISE-4000 Series 2.4 GHz Wi-Fi I/O Module

- REST and MQTT protocol for IoT or cloud services
- Local data logger and cloud storage w/ secure sockets
- HTML5 web interface for mobile configuration

#### WISE-4012

- 4-ch AI/ DI + 2-ch DO

#### WISE-4051

- 8-ch DI + 1 x RS-485 port

#### WISE-4050/ 4060

- 4-ch DI + 4-ch DO/ relay

#### WISE-4012E IoT Developer Kit

- 2-ch AI + 2-ch DI + 2-ch relay
- Ready-to-use software and accessories for immediate use



## Wireless Sensor Nodes

### WISE-4200/ 4400/ 4600 Series Sensor to Intelligence Node

#### WISE-4220 (2.4 GHz Wi-Fi)

- REST and MQTT protocol for IoT or cloud services
- Local data logger and cloud storage w/ secure sockets

#### WISE-4210 (Sub-GHz LPWAN)

- Less interference than at 2.4 GHz
- Long distance communication with 3.6 V AA battery power

#### WISE-4470 (Cellular, NB-IoT)

- Local data logger and cloud storage w/ secure sockets
- IP65-rated protection with M12 connectors and an internal antenna

#### WISE-4610 (LoRa, LoRaWAN)

- IP65-rated protection with M12 connectors for outdoor applications
- Solar panel rechargeable battery and optional GPS for location tracking

