








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-6266: 4-ch Relay/ 4-ch DI module










ADAM-6100 Series Real-Time Ethernet I/O Modules


- Daisy chain connectivity
- Coupler-free design
- GSD, L5K, and EDS file-ready
- 2,500 VDC isolation protection



Module Selection



- ADAM-6117EI/PN: 8-ch AI module
- ADAM-6160EI/PN: 6-ch relay module
- ADAM-6150EI/PN: 8-ch DI/ 7-ch DO module
- ADAM-6151EI/PN: 16-ch DI module
- ADAM-6156EI/PN: 16-ch DO module

*PROFINET: PN , EtherNet/ IP: EI





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/ 6-ch DO Relay module
- ADAM-6060: 6-ch DI/ 6-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: 6-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









