

HOYAN ETH-A2E

INDUSTRIAL IoT GATEWAY • DATASHEET

Industrial Ethernet gateway • built-in automation • encrypted cloud

CE

EMC EN 55032 / 55035

RoHS EN IEC 63000

Core Specification

CORE SPEC

Processor	Industrial high-speed core (Arm Cortex-M7)
Ports	Ethernet 10/100 • RS-485 × 2 • RS-232
Protocol	Modbus TCP / RTU — master, slave, transparent
Automation	160 rules • time-scheduled execution
Cloud	Encrypted MQTT upload • up to 512 tags
Web UI	No software to install — works in any browser
Firmware	Update from the browser • auto-rollback on failure



ETH-A2E • DIN rail • Ethernet + dual RS-485 + RS-232

Ports & Communication

Ethernet

10/100 Mbps • RJ45

Serial

RS-485 × 2 • RS-232

Baud rate

Per port, up to 115200

Modes

Transparent / master / slave, per port

Latency

Near zero in transparent mode

Device Integration

Modbus TCP

Slave mode • configurable unit ID

Modbus RTU

Actively polls remote devices

External devices

Up to 8 units, 4 per port, 32 points each

I/O expansion

Auto-detected on connection

Automation

Rules

160 automation rules

Triggers

On change / continuous / timed

Conditions

Multi-term logic • deadband filtering

Actions

Write / pulse / alarm / publish

Scheduling

By weekday and time of day

Web Interface

Live view

FluxLive real-time dashboard

Layout

Drag and drop, stored on the device

Diagnostics

Link and network health checks

Languages

Traditional / Simplified Chinese, EN, JP

Cloud & Security

Protocol

Standard MQTT • disconnect alerts

Transport

TLS / mTLS mutual authentication

Certificates

Built-in CA, or upload your own

Web transport

HTTPS encrypted

Access

Login required • password changeable

Firmware & Storage

Update

Uploaded from the browser, no disassembly

Protection

Automatic rollback on a failed update

Settings

Settings and certificates preserved

Maintenance

Temporary bypass mode for commissioning

Ordering • HOYAN I/O Expansion Modules (optional)

TSF-A2-DI16

16-ch digital input

TSF-A2-DO16

16-ch digital output

TSF-A2-AI6

6-ch analogue input

TSF-A2-AO6

6-ch analogue output

TSF-A2-RT6

6-ch temperature input

TSF-A2-DO6TR

6-ch relay output

Not a PLC — not intended for safety-related applications | Specifications subject to change without notice

Full datasheets & demo units on request

Jason Liao • +886-918181975

HOYAN
TECHNOLOGIES CO., LTD.

HOYAN Technologies Co., Ltd. • T +886-7-793-5098 • F +886-7-793-5228 • sc@hoyan.com.tw • www.hoyan.com.tw

No.5, Ln. 33, Mingfeng 11th St., Qianzhen Dist., Kaohsiung City 80665, Taiwan