

DN Product Introduction

Your Partner in Industrial Communication

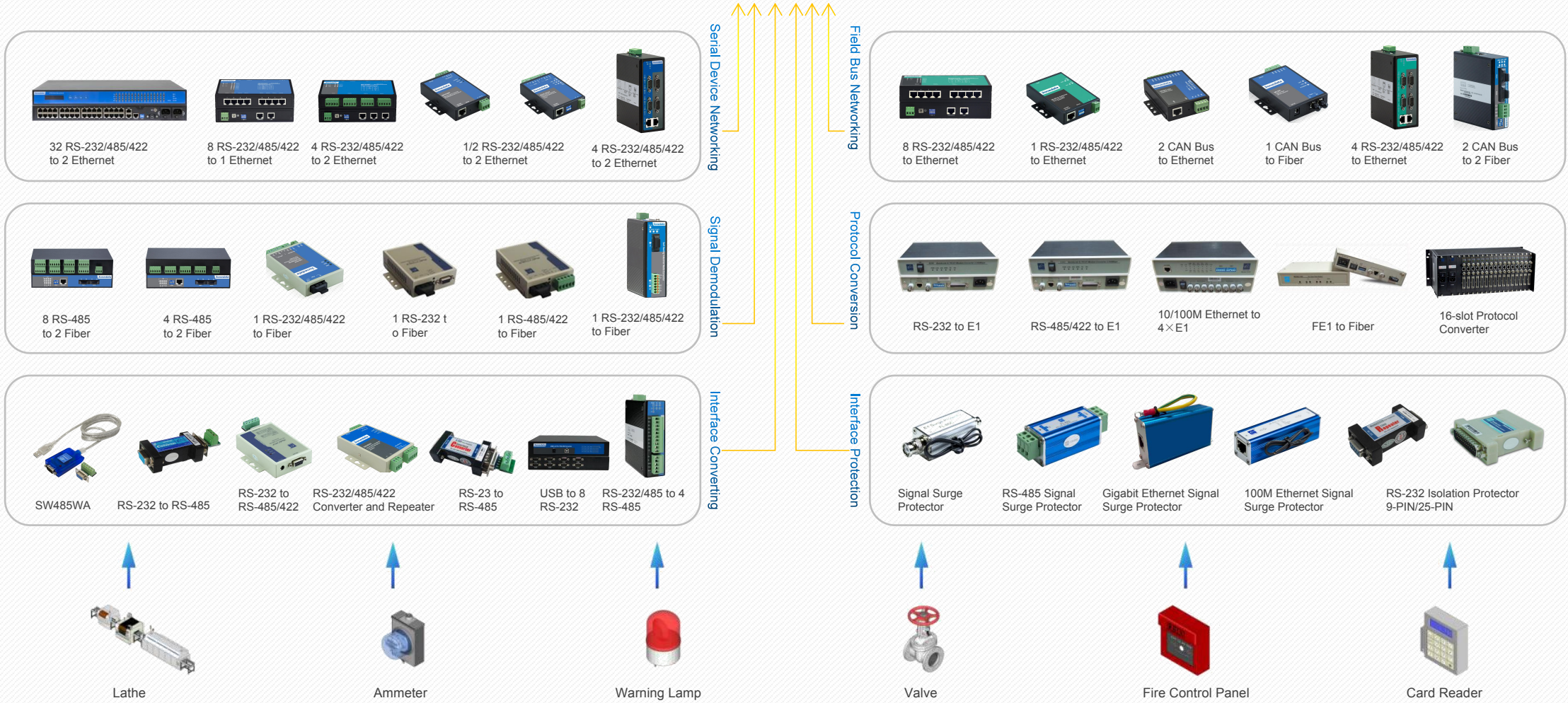


Data Center

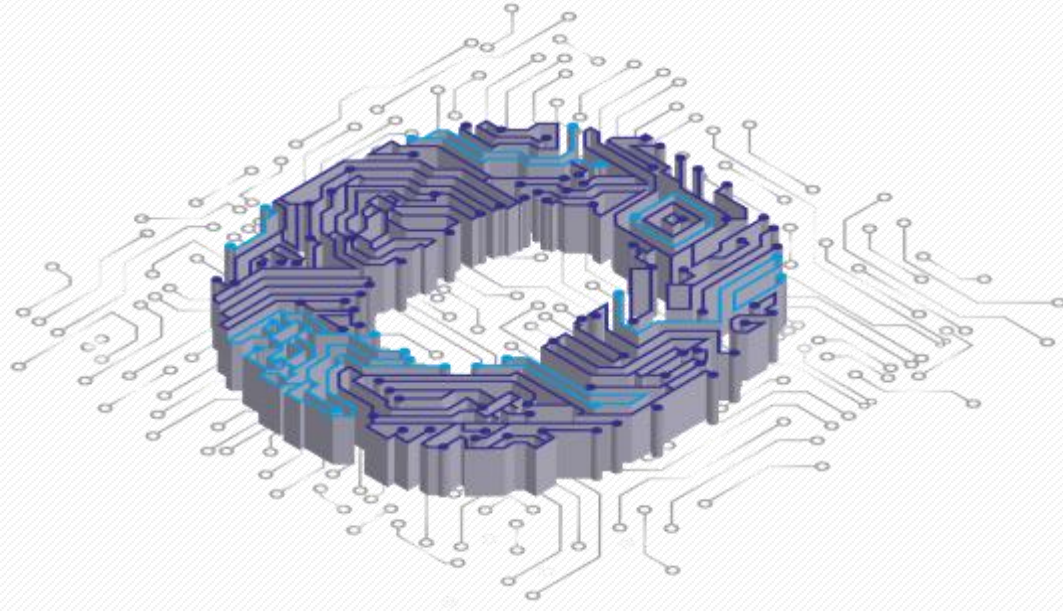
Control Layer

Edge Access Layer

Device Layer



CONTENTS



01 Serial Device Server

04 Serial to Fiber Modem

02 Modbus Gateway

05 Interface Converter

03 CAN-bus Product

Serial Device Server

- Product Features
- Typical Application
- Case Sharing

Application Industries



Smart City



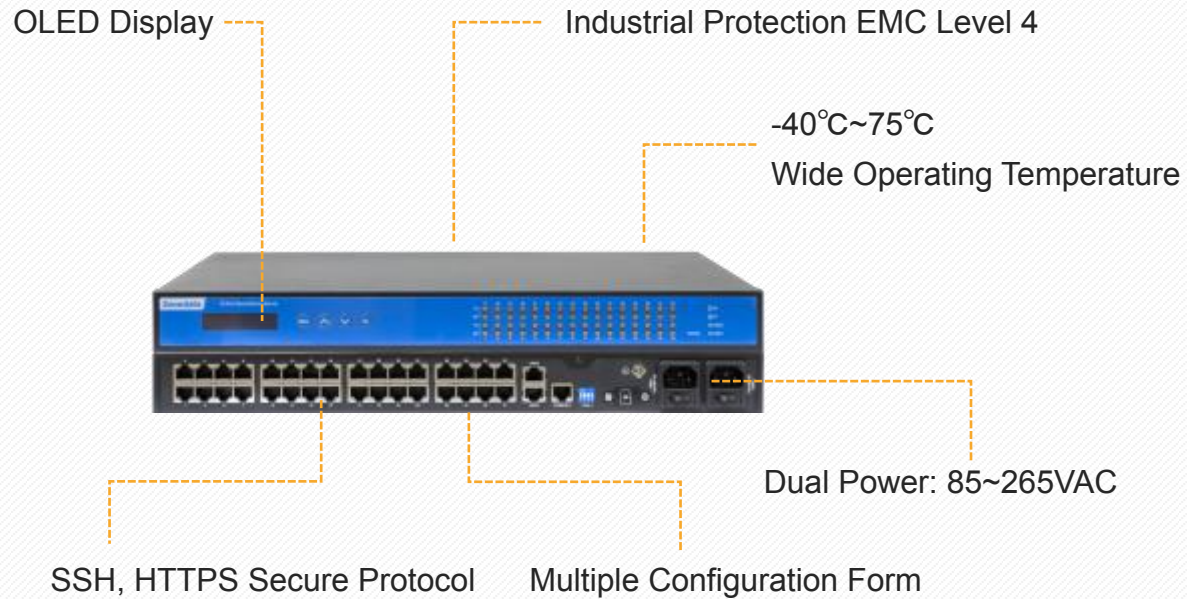
Intelligent Transportation



Smart Grid



Product Features



Rack-mounted 32-port RS-232/485/422 Secure Serial Server NP5100



1 RS-232/485/422
to 1 Ethernet



2 RS-232 or RS-485/422
to 1 Ethernet



4 RS-232/485/422
to 1 Ethernet



8 RS-232/485/422
to 1 Ethernet



4 RS-232/485/422
to 2 Ethernet



8 RS-232/485/422
to 2 Ethernet

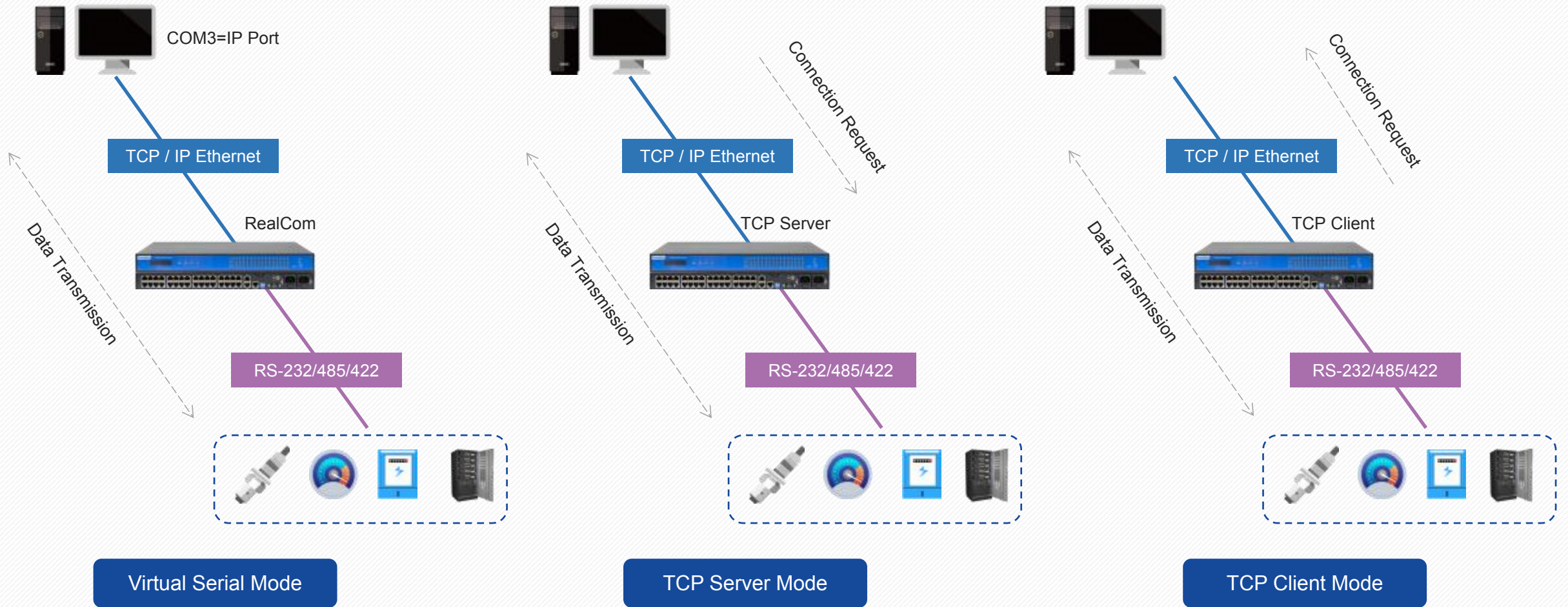


8 RS-485/422 or 3IN1
to 2 Ethernet

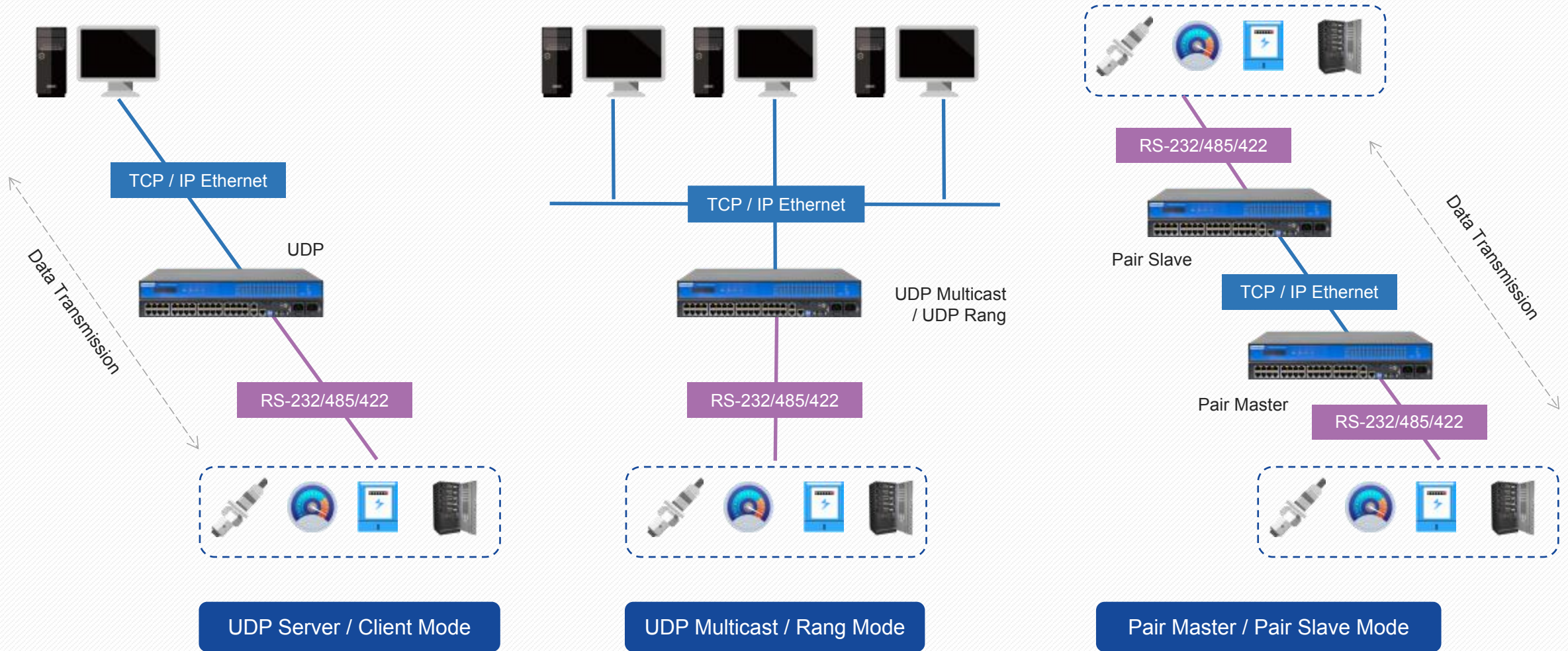


16 RS-232/485/422/3IN1
to 1 Ethernet

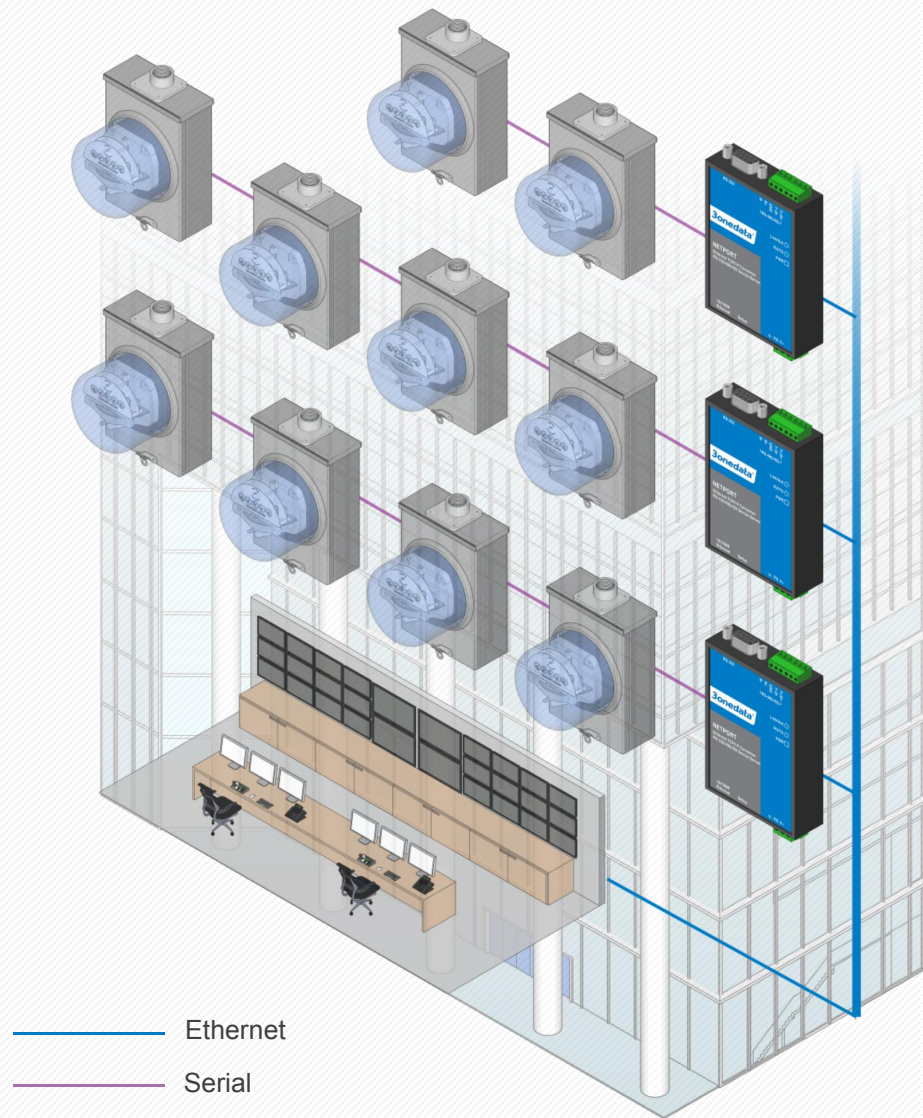
Typical Application



Typical Application



Concentrated Meter Reading System in Dubai



- With COM port grouping, you can easily group serial field devices using virtual COM numbers.
- Each COM group can connect up to 32 serial devices.
- Compact size to save space.
- Low power consumption, saving energy and protecting environment
- Rugged design for use in harsh environment.

Recommend Product



NP301
Wall-mounted 1-port RS-232/485/422 Serial Device Server

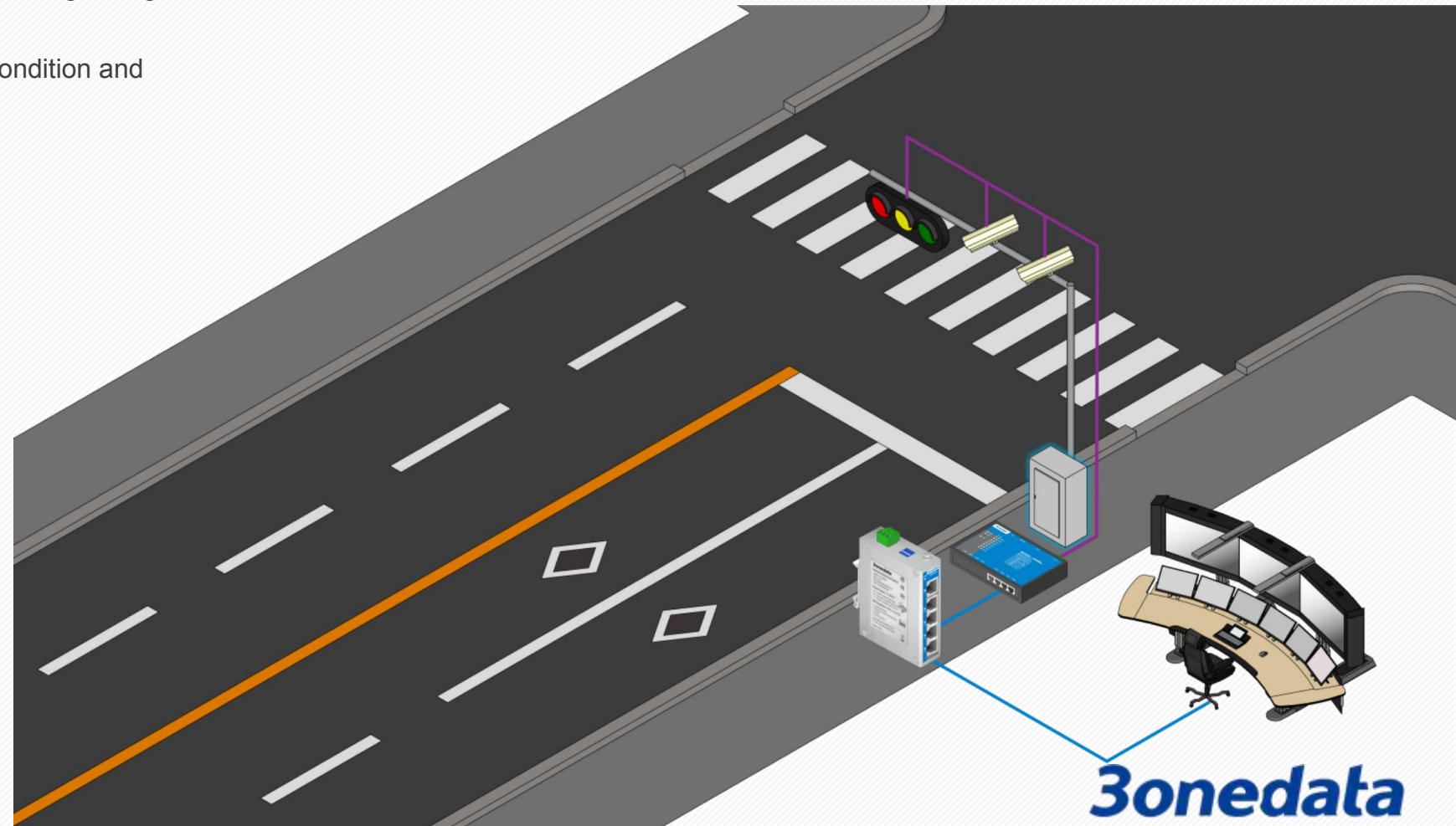
Traffic Signal Control and Coordination System in France

- 3onedata serial device server supports RS-232/485/422 at the same time
- 12~48VDC wide voltage input, high ability in resisting voltage fluctuation
- Remote monitoring of equipment operational condition and data transmission reduces maintenance cost
- Rugged design for use in harsh environment.

Recommend Product



NP314T
Wall-mounted or desktop 4-port RS-232/485/422
Serial Device Server



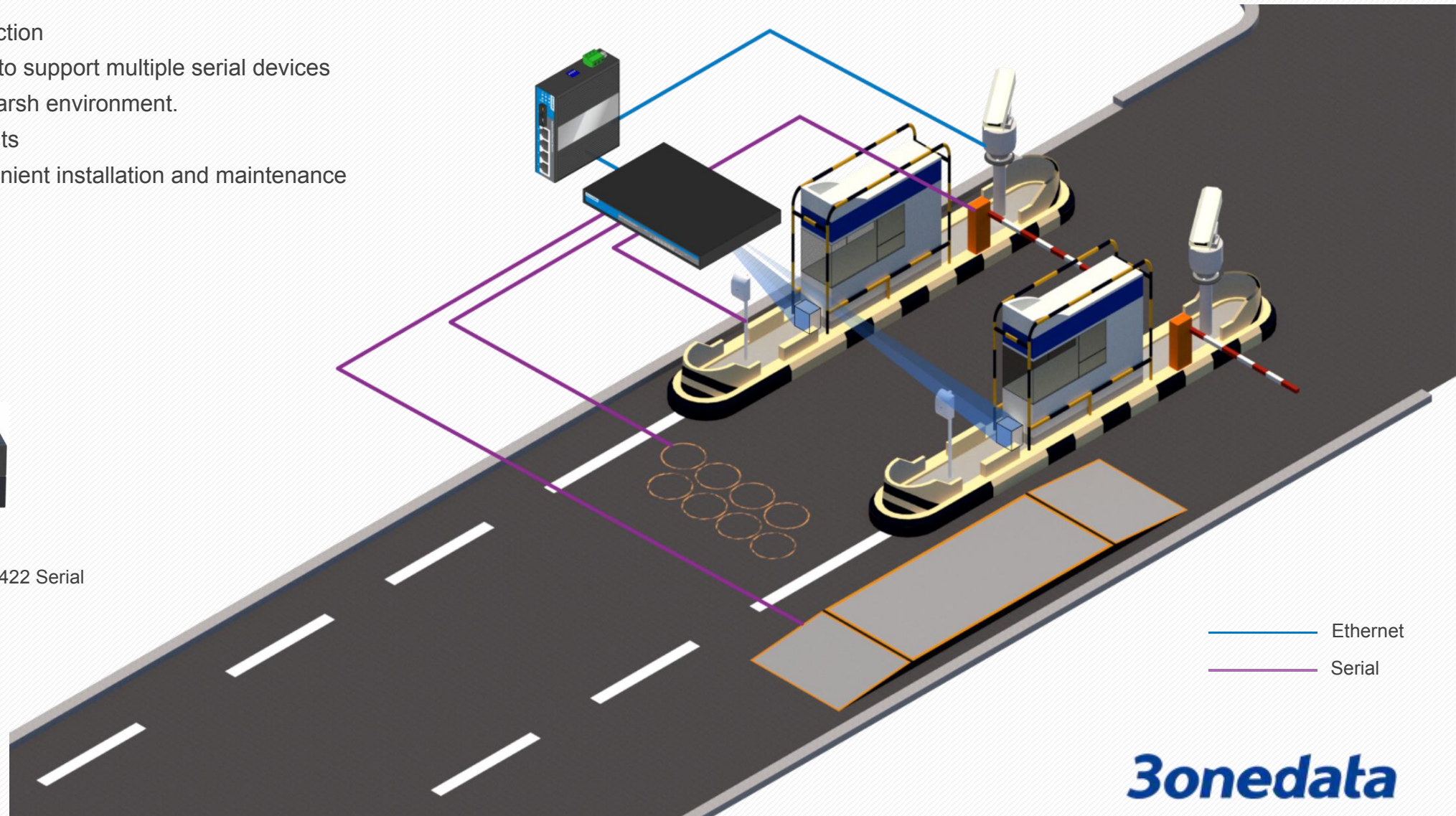
Highway Toll Station Management System in Spain

- Industrial grade EMC protection
- High density of serial ports to support multiple serial devices
- Rugged design for use in harsh environment.
- Redundant dual power inputs
- Standard 1U rack for convenient installation and maintenance

Recommend Product



NP3116T
Rack-mounted 16-port RS-232/485/422 Serial
Device Server



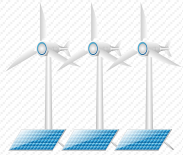
Modbus Gateway

- Product Features
- Typical Application
- Case Sharing

Application Industries



Smart Factory



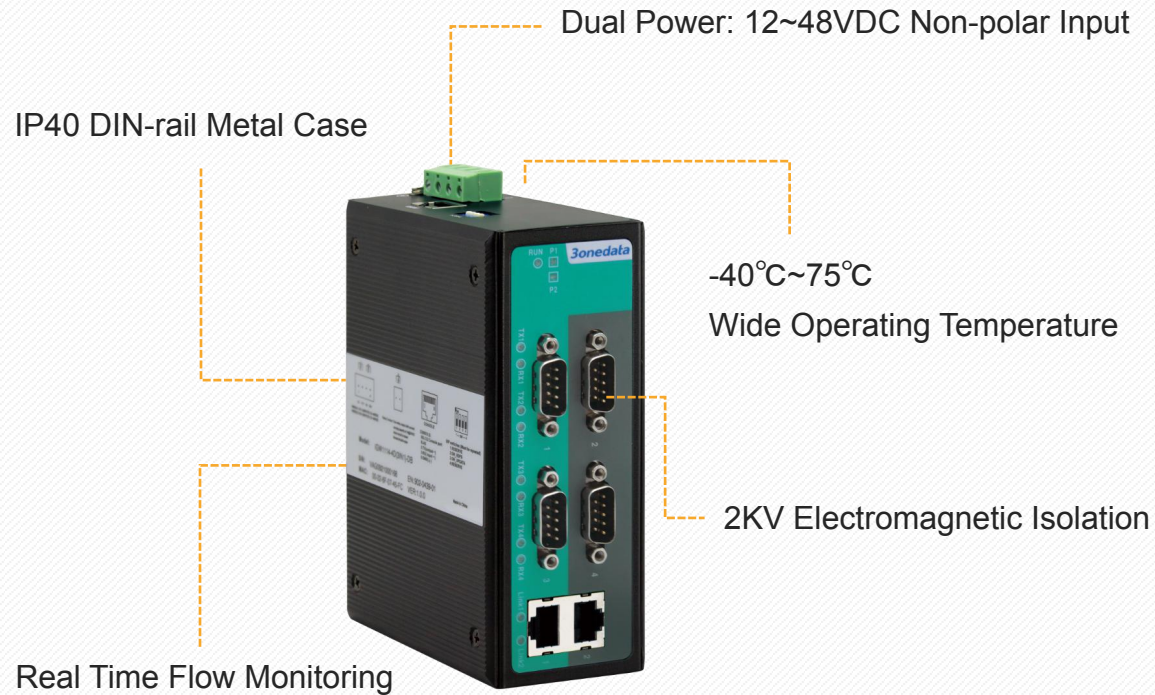
New Energy



Smart Grid



Product Features



DIN-rail 4-port RS-232/485/422 to Ethernet Modbus Gateway IGW1114



1 RS-232/485/422 to Ethernet



2 RS-232/485/422 to Ethernet



4 RS-232/485/422 to Ethernet



8 RS-232/485/422 to Ethernet

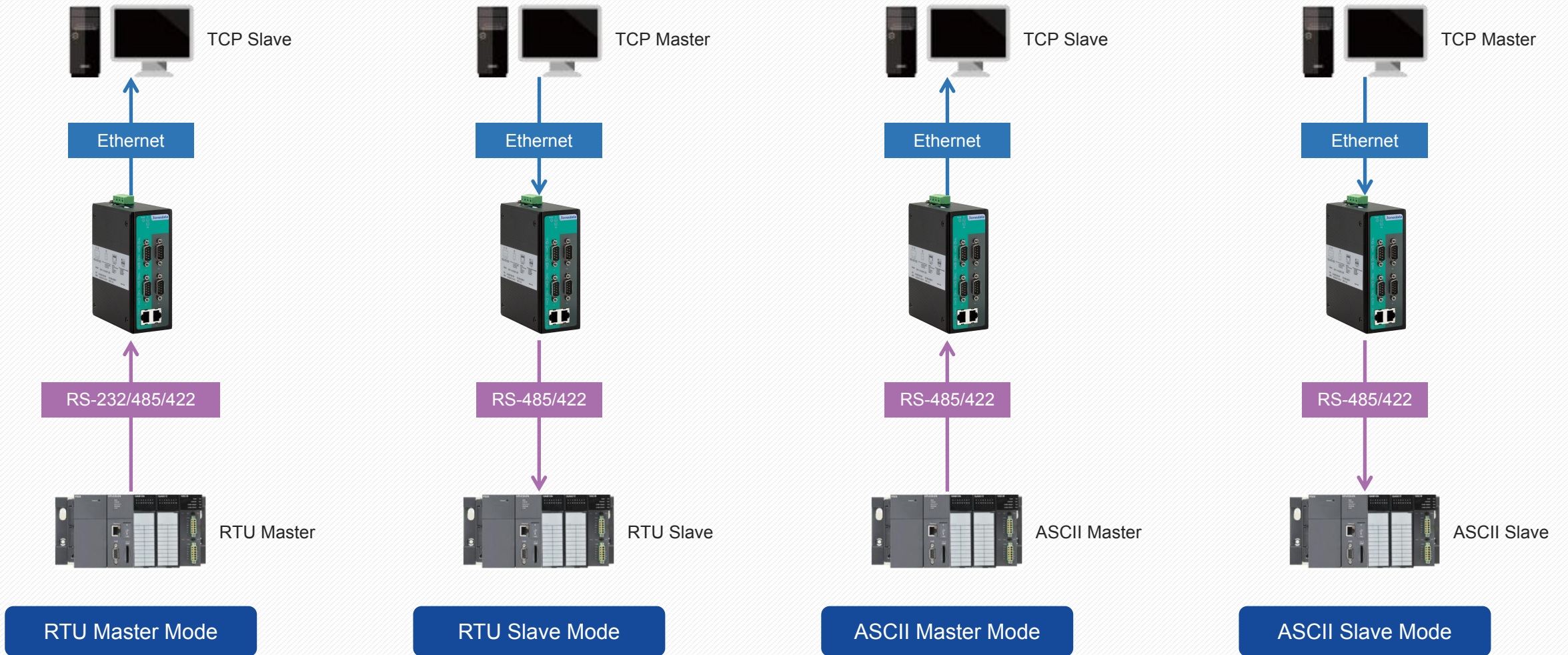


4 RS-232/485/422 to Ethernet

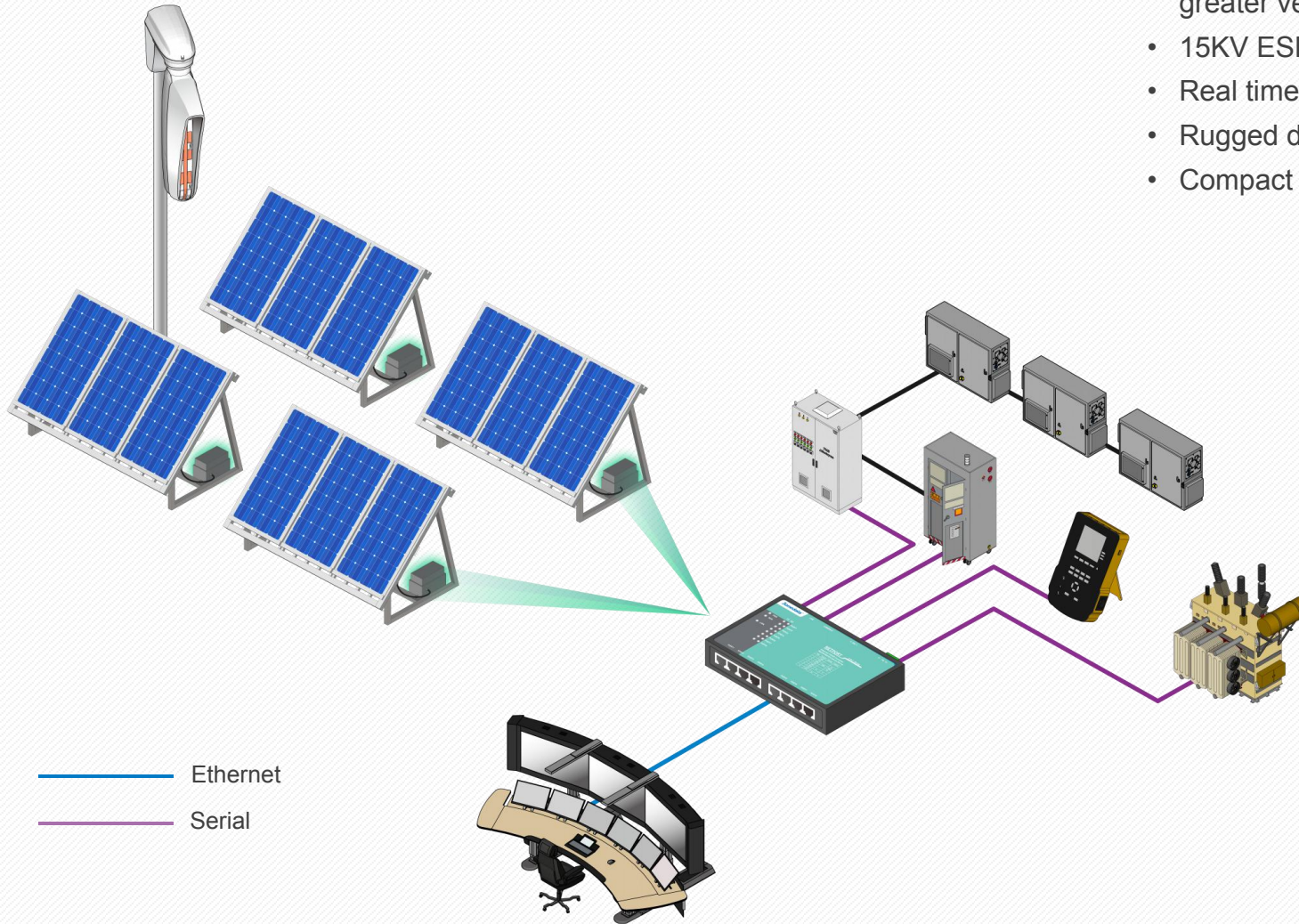


8 RS-232/485/422 to Ethernet

Typical Application



Solar Power Station in Thailand



- All-in-one design integrates an Ethernet switch with a serial device server for greater versatility and to simplify industrial network connections.
- 15KV ESD protection, 2KV isolation protection, Level 3 surge protection.
- Real time monitoring of communication data to locate fault quickly.
- Rugged design for use in harsh environment.
- Compact size and cost effective solution.

Recommend Product



GW1108

Wall-mounted or desktop 8-port RS-232/485/422

Modbus Gateway

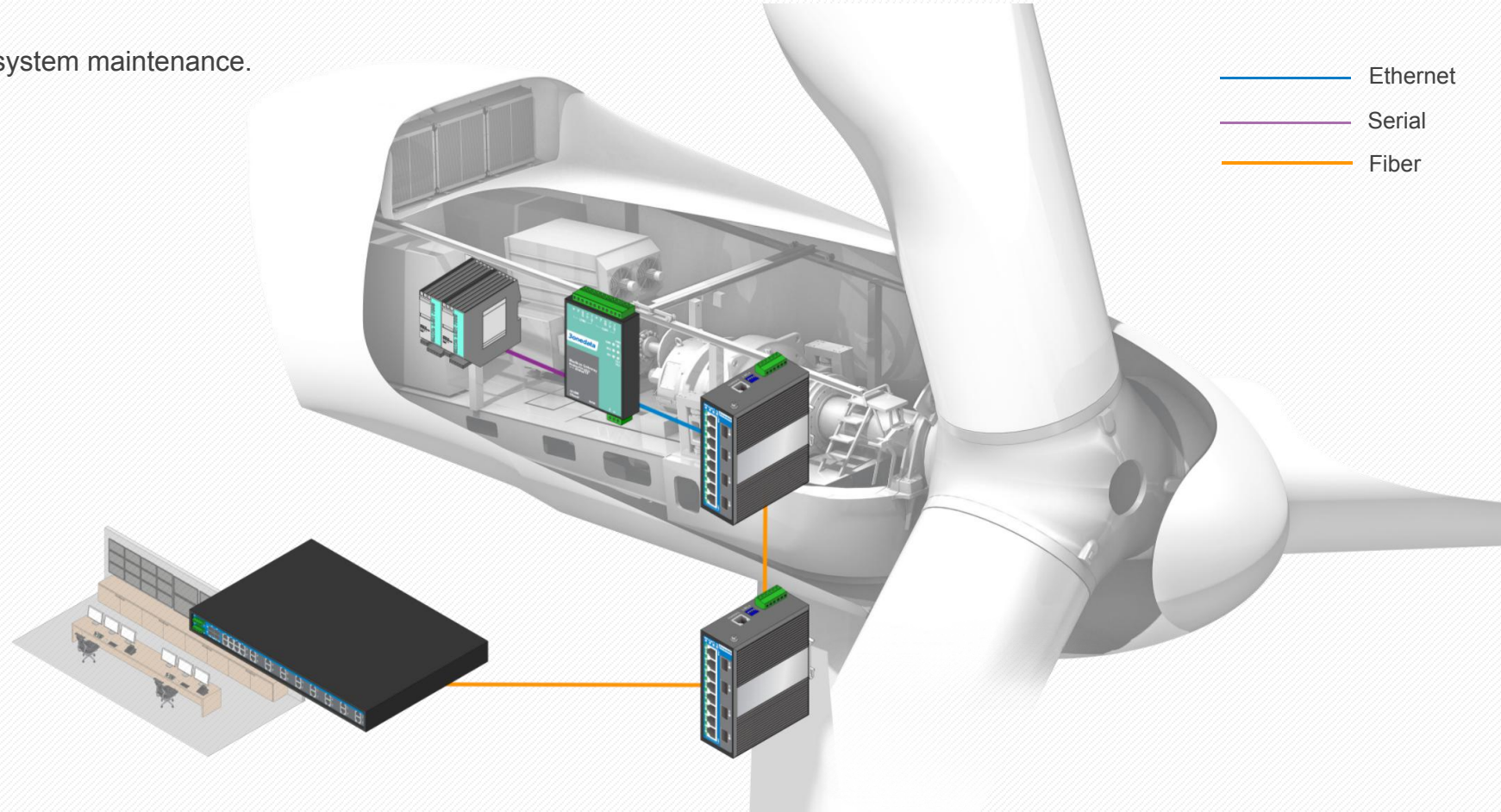
Wind Turbines Remote Monitoring & Control System in Inner Mongolia

- Long MTBF with high reliability and effective system maintenance.
- Small size for easy configuration.
- Rugged design for use in harsh environment.

Recommend Product



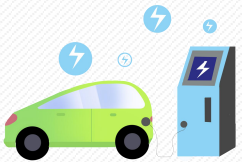
GW1102
Wall-mounted 2-port RS-232 or RS-485/422
Modbus Gateway



CAN-Bus Product

- Product Features
- Typical Application
- Case Sharing

Application Industries



Intelligent Transportation



Smart City



Product Features

Industrial Grade
EMC Protection

-40°C~75°C
Wide Operating Temperature

2 100M Fiber Ports
SW-Ring (automatic recovery time <20ms)



IP40 DIN-Rial Metal Case

5K~1000K Baud Rate

DIN-rail 2-port CAN Server ICP222



1 CAN-Bus to RS-232



1 CAN-Bus to RS-485



1 CAN-Bus to Ethernet

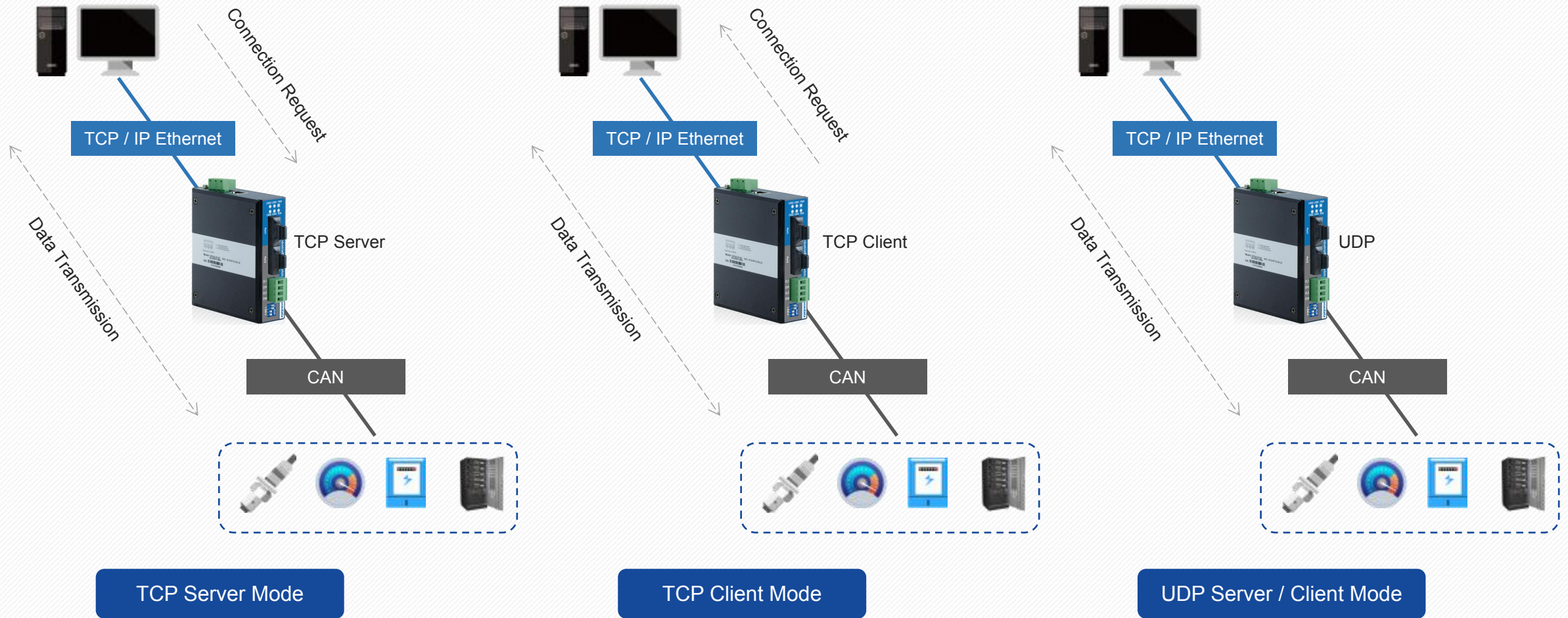


1 CAN-Bus to Fiber



2 CAN-Bus to 2 Fiber

Typical Application



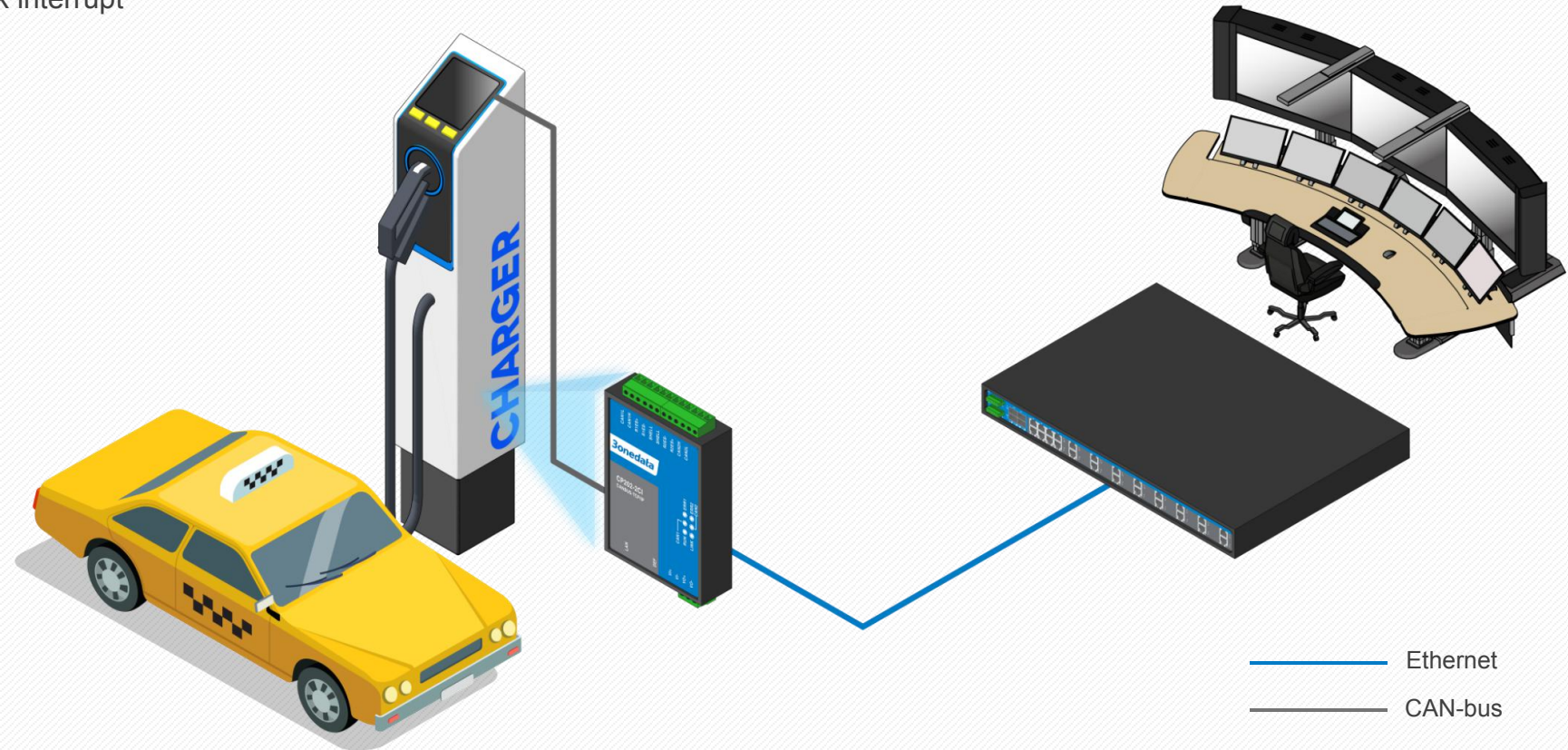
Charging Piles in Germany

- Small size for easy installation.
- Long MTBF with high reliability and effective system maintenance.
- Automatically restore connection when network interrupt
- Rugged design for use in harsh environment.
- 12~48VDC wide voltage inputs

Recommend Product



CP202-2CI
Wall-mounted 2-port CAN Server



Serial to Fiber Modem

- Product Features
- Typical Application
- Case Sharing

Application Industries



Smart Grid



Smart Factory



Smart City



Product Features

Relay Alarm for Power Failure &
Fiber Optics Disconnection

Ring Network Function
Automatic Recovery Time < 20ms



-40°C~75°C

Wide Operating Temperature

85~265VAC/110~370VDC/12-
48VDC (single or dual)

DIN-rail 1-port RS-232/485/422 to Fiber Converter IMF2100



1 RS-232/485/422 to Fiber



1 RS-232/485/422 to Fiber

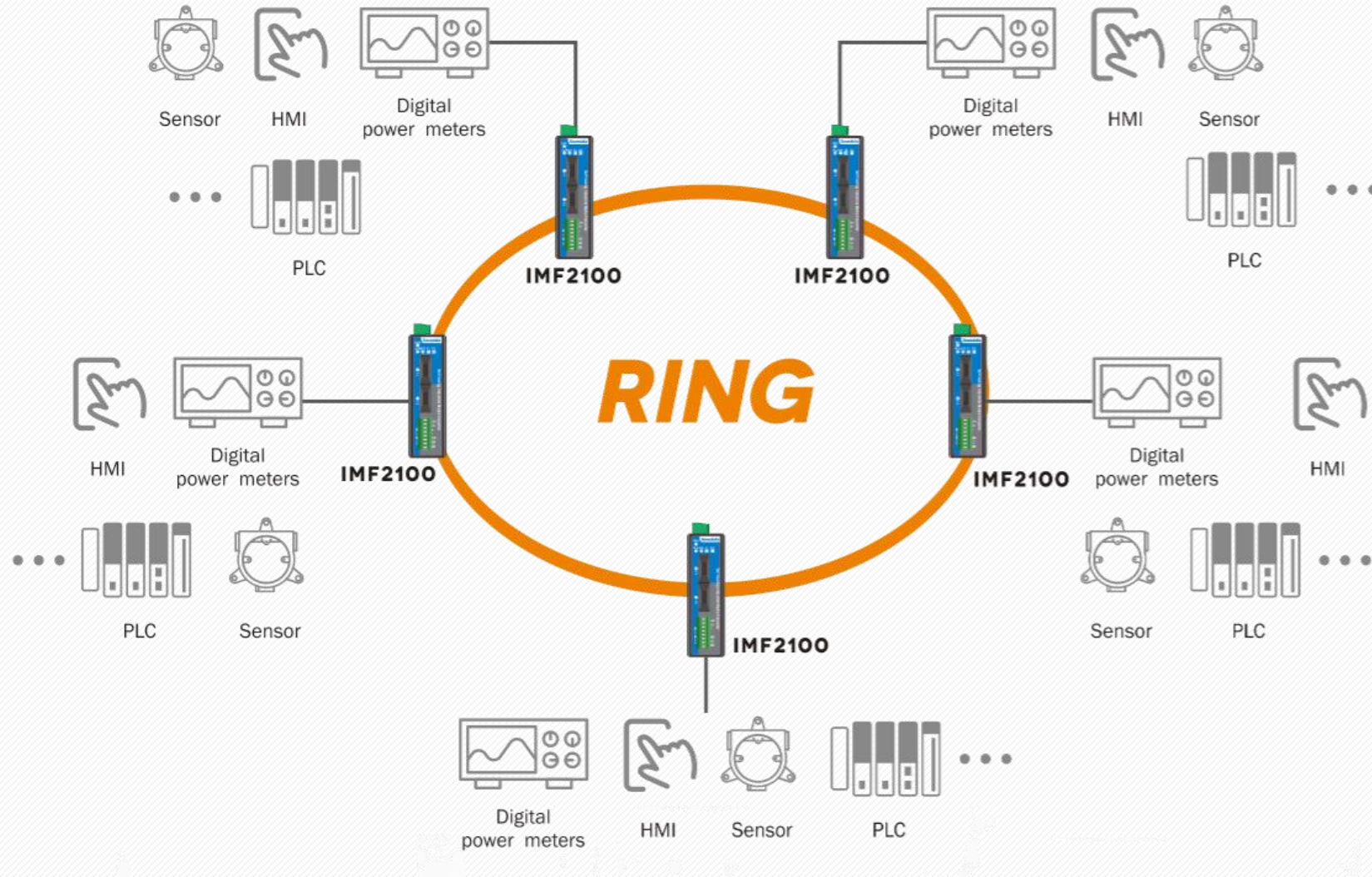


4 RS-485 to 2 Fiber



1 RS-232/485/422 to Fiber

Typical Application



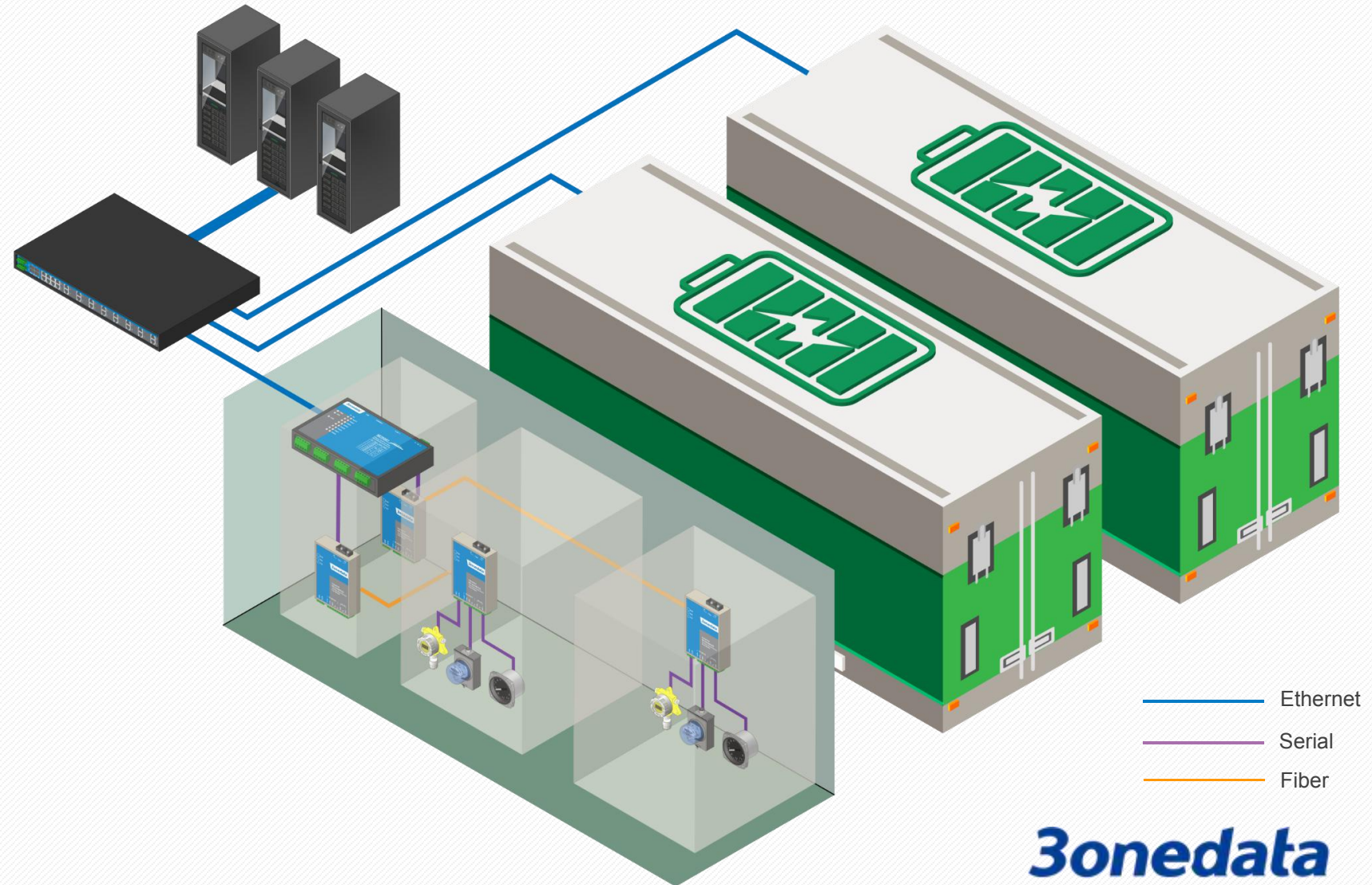
Energy Storage for Electric Power System in Beijing

- Reliable operation in extreme temperature environments.
- Advanced features for easy setup, integration, and maintenance of device servers.
- Able to extend transmission distance using fiber optic communication solutions.

Recommend Product



MODEL277
Wall-mounted or DIN-rail
1 RS-232/485/422 Serial-to-Fiber Modem



— Ethernet
— Serial
— Fiber

Interface Converter

- Product Features
- Typical Application

Application Industries



Smart Factory



Smart City



Smart Grid



Product Features

-40°C~80°C
Wide Operating Temperature

600W Surge Protection
15KV Electrostatic Protection

12~36VDC Wide Voltage Input



Industrial RS-232/485/422 Converter and Repeater SW485GI

2KVAC Electromagnetic Isolation
15KV Electrostatic Protection

Auto Detect Signal Rate of Serial Port
Zero-lag Data Transformation

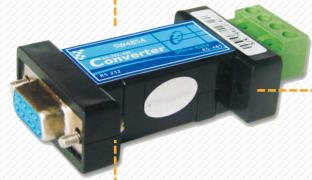
RS-485 Reverse Polarity Automatic Alarm

Max 32 RS-485 Connection for
each serial port



RS-232/485 to 4-port RS-485 Hub SW4485I

Product Features




Serial Port Power Technology

600W Surge Protection
15KV Electrostatic Protection

High Sensitivity
Well Suited to Use in Industrial Field with
High Data Acquisition Speed & Mass of Data

Industrial-grade RS-232 to RS-485 Converter SW485A




5KA Surge Protection

Reponse Time < 1ns

Dustproof & Corrosion-proof Metal Case

RS-485 Signal Surge Protector FL485



Low-power Serial Port Power Technology

Auto Detect Signal Rate of Serial Port
Support 300bps~921600bps

2.5KV optical isolation

Plug & Play
Easy Installation

0°C~70°C
Wide Operating Temperature

600W Surge Protection
15KV Electrostatic Protection

RS-232 Isolation Protector MODEL232I/9



Thank you !

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