



DESCRIPTION

An easy-to-use, secure, and reliable solution makes it easier to connect a wide range of serial devices to an IP-based Ethernet LAN in an instant. The ATEN SN3402 Secure Device Server provides simple, fast serial-to-Ethernet connectivity, allowing users to remotely access serial RS-232/422/485 devices from a PC located anywhere. With various reliable features, the SN3402 solution is ideal for commercial and industrial process control applications.

Surge and Isolation Protection Ensure System Stability

Surge protection is a vital aspect of any facility's coordinated electrical protection to ensure safe and reliable operation. To this end, in addition to 1.5kV magnetic isolation protection for Ethernet signals, the SN3402 Secure Device Server features surge protection for serial, Ethernet, and power that protect against voltage spikes or uncontrolled increase in current. Furthermore, as well as industrial safety standards compliance, they are also tested to meet IEC 61000-4 surge wave form requirements to ensure system stability and reliability.

Level-up Device Security at Every Stage

The growing numbers of cyber attacks in the industrial IoT era has the potential to bring down systems and cause huge losses of time and money. In order to avoid potential vulnerability risks, enterprises need a multi-layered defense system to ensure secure data transmissions that include regular firmware upgrades, as well as various encrypted forms of authentication and access control. The SN3402 secure serial-to-Ethernet solution is equipped with security functions at every level, including network access control and user authentication, data integrity, and confidentiality. Furthermore, with an operation mode available for advanced security functions, you can acquire any field data needed and provide frontline protection.

Comprehensive Secure Operation Modes

The SN3402 offers a broad choice of operation modes to help different types of serial devices to be seen on the network including Real COM, TCP, Serial Tunneling, Console Management, and UDP. With each operation mode the SN3402 is equipped with advanced secure functions to assist users in streamlining operations and ensuring serial data is securely transmitted.

Seamless and Cost-Effective Modbus Gateway

The SN3402 can be used as standard Modbus gateway for conversion between Modbus TCP and Modbus RTU / ASCII protocols. It can integrate Modbus serial slave devices seamlessly into an existing Modbus TCP network, thereby making them accessible to serial master devices.

Easy Setup with Web Console and Telnet/SSH Console

The SN3402 offers a 3-step setup web console for fast installation. Its browser access is supported via intuitive multi-language features that facilitate a quick setup and control of the devices in just three configuration steps to activate the application. This makes setup simple and fast, and users can complete it in an average of only one minute. Moreover, for bandwidth-sensitive applications, a Telnet/SSH console is also available as a low-bandwidth solution.

Easy to Troubleshoot

ATEN understands the seriousness of data loss and breaches. The SN3402 features 64 KB port buffering to prevent data loss in case a network is down, and event notifications will be sent automatically by SMTP email and SNMP Trap if serial devices go offline due to power failure, or trigger a user defined error. Moreover, system event logs are available to record and track operation history, and can be saved to internal memory or a Syslog server, so you can retrieve data for monitoring and troubleshooting at any time.

Target Applications

The SN3402 enables instant networking of serial devices and can be deployed in a variety of commercial applications and industrial process automation environments that require serial-to-Ethernet connectivity. These include POS, access control, SCADA systems, environment monitoring, sensor monitoring, device management, remote site management, and more.

Versatile Mounting Options

The SN3402 can be flexibly mounted in various installation environments, so you can easily configure them to your workplace. Mounting options include wall, desktop, DIN rail mounting, or rack mounting (with optional kit VE-RMK1U) as required.

TECHNICAL CHARACTERISTICS

Brand : ATEN

Part number : SN3402-AX

Détails techniques :

Isolation : 1.5 kV

Baud rate : 921.6 Kbit/s

Country of origin : Taiwan

Data bits : 5, 6, 7, 8

Data transfer rate : 100 Mbit/s

Depth : 98 mm

DIN rail kit included : Yes

DIN rail mounting : Yes

Electrostatic Discharge (ESD) protection : 8 kV

Ethernet LAN : Yes

Ethernet LAN (RJ-45) ports : 1

Ethernet LAN data rates : 10,100 Mbit/s

Flow control support : Yes

Flow Control type : DTR/DSR, RTS/CTS, XON/XOFF

Height : 26 mm

Housing material : Metal

Input frequency : 50 - 60 Hz

Input voltage : 100 - 240 V

LED indicators : Power, Status

Master (outer) case gross weight : 4.86 kg

Master (outer) case height : 178 mm

Master (outer) case length : 490 mm

Master (outer) case net weight : 2.7 kg

Master (outer) case volume : 27467.33 cm³

Master (outer) case width : 315 mm

Number of foot pads : 4 pc(s)

Operating relative humidity (H-H) : 5 - 95%

Operating temperature (T-T) : 0 - 60 °C

Output voltage : 9 - 48 V
Package depth : 239 mm
Package height : 160 mm
Package volume : 2265.35 cm ³
Package weight : 480 g
Package width : 59 mm
Parity bit : Even, Mark, No, Odd, Space
Power consumption (max) : 1.3 W
Power consumption (typical) : 1.19 W
Power source type : DC
Product colour : Black
Products per master (outer) case : 10 pc(s)
Reset button : Yes
RS-232 signals : CTS, DCD, DSR, DTR, GND, RTS, RXD, TXD
RS-422 signals : GND, RxD+, RxD-, TxD+, TxD-
RS-485 signals : Data+, Data-, GND, RxD+, RxD-, TxD+, TxD-
Safety : UL 60950-1, UL 62368-1
Serial interface type : RS-232/422/485
Serial ports quantity : 2
Stop bits : 1, 1.5, 2
Storage temperature (T-T) : -40 - 75 °C
Surge protection voltage : 2 kV
Sustainability certificates : RoHS, UL ECOLOGO
Sustainability compliance : Yes
Terminal block included : Yes
Terminal block port : Yes
User guide : Yes
Weight : 210 g
Width : 117 mm