

ATEN 1-Port RS-232/422/485 Secure Device Server

Model: SN3401

Manufacturer: ATEN

EAN: 4710469341540

Product Code: 1067689

R4,488

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 SN3401 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 SN3401 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 SN3401 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

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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 SN3401 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 SN3401 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 SN3401 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 SN3401 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.

Comprehensive Secure Operation Modes

The SN3401 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.

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Easy to Troubleshoot

ATEN understands the seriousness of data loss and breaches. The SN3401 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 Syslog server, so you can retrieve data for monitoring and troubleshooting at any time.

Target Applications

The SN3401 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 SN3401 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.

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