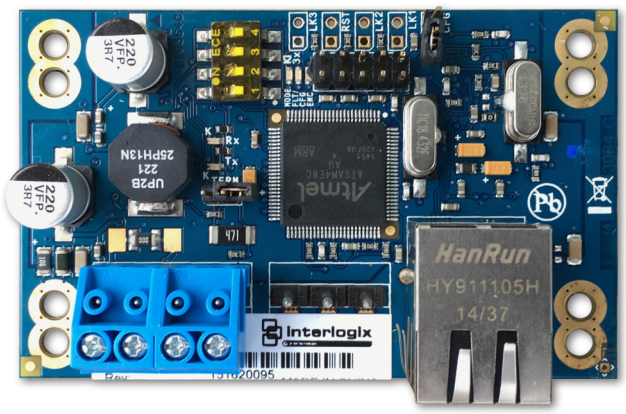
ATS1745

RS485 databus to IP-LAN interface: connects two ATS-bus (RS485) devices via local IP network

Connect ATS devices over your local network

Save time and money installing ATS systems with the new ATS1745 IP LAN Adaptor. The ATS1745 modules allow ATS RS-485 LAN data to be carried over a local IP network. This provides an IP connection between an ATS Master or ATS Advanced panel and its LAN devices such as readers and keypads (RAS/RKP), expanders including Intelligent Door/Lift Controllers (DGP/EXP) reducing the need for dedicated wiring of two-pair twisted cable (WCAT52 or WCAT54).
The ATS1745 also enables physically separate segments of the ATS RS-485 LAN to be linked together over a local IP network, either to extend distance or inexpensively utilize existing IT infrastructure.
It is perfect for connecting a panel to a remotely located RAS, DGP or Door/Lift Controller where it is costly to run cable but where IP connections are readily available (subject to network performance requirements).
ATS1745 modules provide securely-encrypted IP communications via a unique 128-bit encryption key.
ATS1745 modules are configured as either the Start of Line Module (SLM) or an End-of-Line Module (ELM). The SLM connects to the ATS panel while the ELMs provide IP links for all of a ATS Master or ATS Advanced system's LAN devices.
An SLM can support up to 31 ELMs to include 15 DGPs and 16 RASs per panel LAN bus connection. The ATS1745 can be configured easily and conveniently over the IP network via a Web browser.
Note: For proper security the Ethernet devices between SLM and ELM may need separate protection and back-up power.



Details

- ATS 485 Bus device
- Connects two or more ATS devices over a local IP connection
- Compatible with Axon and Advisor Advanced panels
- Supported on ATS Master and ATS Advanced MR3 and later. Supported on Axon MR1.0 and later
- 128 bit AES secure data communication
- Easy configuration using built-in web server
- Up to 31 End-Of-Line modules connected over IP to 1 Start-Of-Line module
- Device configurable as Start-Of-Line or End-Of-Line module
- Network Test Tools allows to check network latency and suitability

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Technical specifications

General

Accessory group	Advisor Advanced, ATS Master
Type	Interface

Electrical

Power supply type	12 VDC
Operating voltage	13.8 VDC supplied by the panel
Current consumption	110 mA

Physical

Physical dimensions	50 x 80 x 20 mm
Net weight	31 g

Environmental

Operating temperature	0 to 40°C
Relative humidity	93 %
Environment	Indoor

Regulatory

Compliancy	CE

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Last updated on 16 June 2026 - 15:22