

Product Information

IGW/400-UART: Wireless Device Server

Modular wireless device server for the industrial automation



Description

With two serial interfaces, the IGW/400-UART makes it possible to integrate devices with RS232/422 interface quick and easy into a wireless IEEE 801.11b/g network. The IGW/400-UART offers an Ethernet interface in addition to a Wi-Fi interface, making it possible to integrate serial devices both wirelessly and wired into existing infrastructures. The system is a safe investment in particular - between both connection types can be switched easily at any time.

With the IGW/400-UART, the integration of serial devices and software which are already in use is transparent with COM port access. The mode of use can be maintained, e.g. no special software is required. Thanks to the virtual COM port driver software included in the scope of delivery, connecting serial devices is as easy as it gets. To access a local network (LAN) or the Internet, the IGW/400-UART has an integrated operating system in addition to a complete TCP/IP network stack. It also includes a Web server that makes it very easy to configure or maintain the system via Web browser, as needed.

The robust metal housing of the IGW/400-UART, with its extremely compact design (131 x 70 x 26 mm), is also available for stationary use with DIN rail or wall mounting upon request. The IGW/400-UART power supply ranges from 6 up to 30 VDC, e.g. a plug in power supply can be used.

IGW/400-UART features at a glance:

- IEEE 801.11b/g Wi-Fi interface
- 1 x RS232/422 interface via Environment Interface
- 1 x RS232 interface via Sub-D
- LAN interface 10/100Mbps on board
- Modular design
- Robust metal case

Technical Data IGW/400-UART

Wireless Interface

Wireless LAN	802.11b/g
Connection type	Antenna
Supported protocols	WEP, TCP/IP, UDP/IP, AutoIP, ARP, ICMP, SNMP, DHCP, TFTP, Telnet, HTTP

Environment Interface

Environment Interface	Passive via UART
Environment I/O	RS232/422 optional (RS485 under development)
Connection type	14-pin connector
RS232	max. 460.800 kbps; Signals: DCD, RxD, TxD, RTS, CTS, DTR
RS422	max. 921.600 kbps; Signals: Rx+, Rx-, Tx+, Tx-

Further Interfaces

RS232	max. 921.600kbps; Signals: DCD, RxD, TxD, RTS, CTS, DTR
Connection type	Sub-D, 9-pin
Ethernet	10/100 Mbps, automatic detection
Connection type	RJ-45

Other

LED Indicators	1 x supply voltage, 1 x wireless activity
Power input	6..30 V DC
Power consumption	max. 2,8 W
Protection class	IP20
Operating temperature	-20°C..+70°C
Dimensions (L x W x H)	131 x 70 x 26 mm (without antenna)
Mounting	Desktop, wall or DIN rail

Main Functionality

Wireless Device Server with serial interfaces and TCP/IP network stack

Delivery

IGW/SK4-UART	IGW/400-UART, Antenna, RS232 temperature sensor board IGW-SMT160, Connector with adapter cable for power- and RS232 Sub-D, Power supply, Null modem cable, Screwdriver, Starter Kit CD-ROM with documentation and software, Power-Up Support
IGW/400-UART	IGW/400-UART

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