M340 wireless companion

WiFi Access Point, 3-port Ethernet Bridge, Bridge router and WDS repeater for MODICON M340 platform

ACKSYS extends its range of wireless communication solutions for the industry by introducing the M340-WC specially designed for a direct connection to the MODICON M340 CPU (SCHNEIDER ELECTRIC) backplane.

M340-WC can be configured as an Access Point, an Ethernet Bridge or a WDS repeater, in infrastructure and AD-HOC modes. It also supports the MODBUS/TCP, PROFINET and Ethernet/IP industrial protocols.

It supports the IEEE 802.11 a/b/g/h/n WiFi standards (2.4 / 5 / 5.4 GHz), for a maximum data rate of 108 Mbps in the super A/G mode and an output power of 100 mW.

M340-WC can be connected directly to the M340 CPU in slave mode or even to a M340 NOE is master mode for distributed I/O and I/O scanner mode support.

The product is integrated in the M340 module single slot format enclosure with a 2 dBi removable antenna (RSMA connector) for 300m coverage (LOS) and up to 5Km with a high gain directional antenna.

M340-WC is powered from the +24VDC available on the M340 backplane; power consumption is limited to 3.5W; furthermore the module is hot swappable during operation for simplified maintenance.

LEDs enable monitoring of LAN / WLAN activity and display the quality of the radio link in order to get the best result while installing the device.

The device uses a built-in switch in order to offer three Ethernet 10/100 ports available on three RJ45 connectors; one port is reserved for the M340 CPU connection.

Thanks to its built-in WEB interface, the setup of the device is achieved using a web browser. M340-WC doesn't require any additional software to be installed on your computer (no peripheral driver needed). It can also be administrated with ACKSYS NDM (ACKSYS Networking Devices Manager) and SNMP.

The M340-WC is designed for industrial applications: data collection, PLC connection … and satisfies severe requirements in terms of operating environment: from -20°C to +70°C.