![WATLOW]

Communication Adapters

Connect a Computer to Watlow's Process and Temperature Controllers or Other Equipment

0847-0400-0000
USB to Ethernet, RJ45

0847-0326-0000
USB to 485, Screw Terminals

Laptop and personal computers generally include Universal Serial Bus (USB) ports that allow them to communicate with other devices such as printers and digital cameras and Ethernet ports that are typically connected to office networks. Industrial devices such as process and temperature controllers may have Ethernet interfaces or EIA-485 communication interfaces (also known as RS-485). Watlow® offers adapters that provide simple and reliable solutions to connecting these devices to computers.

These compact serial converters offer several features that make them ideal for use in applications in which Watlow controllers communicate with a computer via Modbus® or standard bus.

Features and Benefits

Adds communication ports to computer
- Supports using computer software with industrial products
- Eliminates the need to add a communication card to the computer

USB connection to computer (0847-0326-0000)
- Adds a communication port to a computer with USB
- Automatically configures on Windows® 10, 8, 8.1 and 7
- Eliminates need for external power supply
- Includes cable

Screw terminals
- Connects to standard 485 network wiring with no need for additional components

USB to Ethernet (0847-0400-0000)
- Provides additional local Ethernet network for communicating with controllers
- Eliminates need to connect controller to the office network or disconnect PC from the office network

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Specifications

Specification	0847-0326-0000	0847-0400-0000
Connection to computer	USB type A	USB type A
Computer interface	USB 1.0, 1.1 and 2.0	USB 1.0, 1.1 and 2.0
Connection to serial network	Removable terminal block	RJ-45 female
Serial network	Half duplex 485 (2-wire)	IEEE 802.3, 802.3u and 802.3ab (10BASE-T, 100BASE-TX and 1000BASE-T) compatible
Communication speed	300 to 921K baud	10/100/1000 Mbps (USB 3.0)
Echo jumper	No	Crossover detection and auto-correction (Auto MDIX)
Optical isolation: data-to-ground and computer-to-network	None	None
Port powered	Yes	Yes
Cable length	39 in. (1 m)	5.2 in. (132 mm)
Agency	CE, RoHS	CE, RoHS
Supported operating systems	Windows® 10, 8, 8.1 and 7	Windows® 10, 8, 8.1 and 7
Dimensions	2.53 x 1.25 x 0.64 in. (64 x 32 x 16 mm)	2.6 x 1.0 x 0.6 in. (67 x 26 x 15 mm)
Recommended applications	Computer with a USB port, communicating via Modbus® RTU or EZ-ZONE standard bus	Computer with a USB port, communicating via Modbus® TCP or standard bus over Ethernet (F4T)

Converters

0847-0326-0000	USB to 485, screw terminals
0847-0400-0000	USB to Ethernet, RJ45 female

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