The MS-Connect 210 simplifies connectivity of Omron Microscan readers in industrial applications. This factory floor ready wiring box features a vivid display, convenient access holes for easy wire routing, and multiple connectivity options including Ethernet protocols.

The MS-Connect 210 is the ideal Omron Microscan reader accessory for any users seeking an easy connectivity option.

**Ethernet Connectivity**
Connect to a host using serial or Ethernet connection. Ethernet TCP/IP and EtherNet/IP protocols are available out of the box.

**Informative Display**
Providing two lines of decoded information, the optional display is ultra-bright and easy to read.

**I/O Indicators**
The front panel on the MS-Connect 210 provides visual confirmation of performance. Multiple colors are used for easy recognition.

**Relay Modules**
The MS-Connect 210 includes slots for optional relay modules to allow for greater use of external devices including light stacks.

**Practical Design**
Four access holes located on the box allow users quick, easy, and clean wiring of inputs and outputs. Mounting is simplified with four accessible through-holes for mounting screws. An optional plate is available for easy DIN rail mounting.

**Clear Wiring Path**
Wiring to the appropriate terminal block is easily accomplished, due to the access holes and a clear area located between the terminal rows.

**Additional Power**
The MS-Connect 210 includes the option to power three additional readers.

For more information on this product, visit [www.microscan.com](http://www.microscan.com).
**INPUTS/OUTPUTS**

- **J1**: Input Power 10-28 VDC
- **J2**: Output Power 10-28 VDC
- **J3**: Chassis
- **J4**: Output Power 10-28 VDC
- **J5**: Output Power 10-28 VDC
- **J6**: Output 1
- **J7**: Output 2
- **J8**: Output 3
- **J9**: RS 422/485
- **J10**: Trigger/New Master
- **J11**: Input 1
- **J12**: Host RS-232
- **J13**: Aux RS 232
- **J14**: MS-Q 5 VDC
- **J15**: Spare

**JUMPERS**

- **JP1**: Relay Output 1 Options
- **JP2**: Relay Output 2 Options
- **JP3**: Relay Output 3 Options
- **JP 11**: Trigger Button Lockout
- **JP 10**: New Master Button Lockout

**SWITCHES**

- **SW1**: On/Off
- **SW2**: Reader Default
- **SW3**: Display Comm Switches
- **SW5**: Reader Output Indicators
- **SW7**: Reader Ethernet Option

**MECHANICAL**

- **Length**: 7.3” (184 mm)
- **Width**: 6.3” (160 mm)
- **Height**: 2.8” (71 mm)
- **Weight**: 1.6 lb. (726 g)

**ENVIRONMENTAL**

- **Enclosure**: IP65
- **Humidity**: up to 90% (non-condensing)
- **Operating Temperature**: 0° to 50° C (32° to 122°F)
- **Storage Temperature**: -30° to 70° C (-22° to 158°F)

**ELECTRICAL**

- **Power**: 10-28 V

**PLUGGABLE RELAY MODULE**

- **K1**: Pluggable Relay Module
- **K2**: Pluggable Relay Module
- **K3**: Pluggable Relay Module

**CONNECTORS**

- **Reader**: M23 19-pin circular socket connector
- **Trigger**: 4-pin MicroChange socket
- **Power**: 3-pin MicroChange plug

**OTHER ACCESSORIES**

- **Type**: DIN rail kit, Relay modules
- **Industrial Ethernet Connector**: 8-pin M12 MicroChange socket

**CE MARK**

- **General Immunity for Heavy Industry**: EN 55024: 1998 ITE Immunity Standard
- **EN 61000-6-2:2001**

**EMISSIONS**

- **EN 55022:1998 Class A**

**INDICATORS**

- **Digital Display**: 2X20 Alphanumeric characters
- **Beeper**: Configurable LEDs: I/O status, Serial

**TERMINAL BLOCKS MAX RATING**

- **J1-J6 Wire Range**: 26 to 14 AWG
- **Wire Strip Length**: 11 mm
- **J9-J15 Wire Range**: 22 to 18 AWG
- **Wire Strip Length**: 5 mm
- **J2-J5 Max Voltage**: 28 VDC
- **Max Current**: 4 Amps
- **J6-J8 Max Voltage**: 240 VAC
- **Max Current**: 3 Amps

**COMMUNICATION PROTOCOLS**

- **Standard Interface**: RS-232, RS-422

**ACCESS CGB**

- **Small**: Access diameter range 0.18” to 0.39” (4.5 to 10 mm)
- **Large**: Access diameter range 0.2” to 0.5” (5 to 12.7 mm)

**QMS CERTIFICATION**

- [www.microscan.com/quality](http://www.microscan.com/quality)