INDUSTRIAL NETWORK SOLUTIONS FOR REMOTE ACCESS

Enabled by MBConnect
REMOTE ACCESS SOLUTIONS FOR INDUSTRIAL APPLICATIONS

Bringing People, Processes and Technology Together.
Sophisticated Design and Functionality, Simplified Configuration, Deployment and Operation.

- Designed to be easily configured and operated without IT expertise.
- Effectively communicate to remote machines and control systems.
- Direct connection to machines and control systems without modifying existing network configurations.
- Integrated firewall. The only incoming connection is from the server and no other sources.
- Secure VPN connection, pre-shared keys, SSL encryption, and two-factor authentication.
- Security validated by a BSI certification company with annual audits.
Industrial Cloud Servers

Configure, manage and access automation systems and perform remote operations through audited, cyber secure connections using a public or private cloud server.

- Partnered with MBConnect to provide a platform and portal for secure remote access via the internet.
- Easy configuration, no IT expertise required.
- Centralized Management - all-in-one portal application (device, user management, connections, alarms, dashboard...).
- OPEN VPN security validated by Secuvera, a BSI-certified company.
- Two-factor authentication.
- Secure remote password protocol.
- Scalable, runs on private (your cloud server runs under the control of your IT) or public (ready-to-use server).
Industrial Remote Access Ecosystem

Your Private Cloud Server
- Easy to use & Centralized configuration
- State of the art certified security
- Public server also available
- IOT/4.0 ready
Molex Industrial Secured Routers provide a firewalled, seamless integration of a machine into a factory network through cyber-secured remote access, while still designed to be easily setup and operated without needing IT expertise.

Features and Benefits

- **Own your own server**
  - No dependence on third-party services.
  - You own the network!

- **User-Friendly**
  - Easy configuration, no IT skills required. USB over Ethernet

- **Mobile-device friendly**
  - Works easily on mobile devices and other hardware

- **Wi-Fi interface for VPN**
  - Use of existing internet connection thru Wifi
  - Secured with easy-to-use firewall

- **4-port Ethernet Switch**
  - Allows integration without modifying IP configuration using NAT
  - No need for additional switch

- **USB Connector**
  - Easy configuration
  - USB over Ethernet

- **Diagnostic LEDs**
  - Status and troubleshooting made easy with LEDs for power, server connection status, and operation status

- **2 digital inputs**
  - Allows alarm notification
  - Allows routing functions to be switched off

- **WAN Interface for VPN**
  - Use of existing internet connection
  - Secured with easy-to-use firewall

- **3-port Ethernet Switch**
  - Allows integration without modifying IP machine configuration using NAT
  - No need for additional switch
# Specifications - Routers

## Interfaces

<table>
<thead>
<tr>
<th>Order No.</th>
<th>112036-5100</th>
<th>112036-5101</th>
<th>112036-5102</th>
<th>112036-5103</th>
<th>112036-5104</th>
<th>Characteristics</th>
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<tbody>
<tr>
<td>Engineering No.</td>
<td>DRL-ISR-100</td>
<td>DRL-ISR-101</td>
<td>DRL-ISR-103</td>
<td>DRL-ISR-103</td>
<td>DRL-ISR-104</td>
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<td>USB Interface</td>
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<td>1x</td>
<td>1x</td>
<td>1x</td>
<td>1x</td>
<td>USB Host 2.0</td>
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<tr>
<td>Digital Inputs</td>
<td>2x</td>
<td>2x</td>
<td>2x</td>
<td>2x</td>
<td>2x</td>
<td>10 – 30V DC</td>
</tr>
<tr>
<td>Switch Port</td>
<td>3x</td>
<td>4x</td>
<td>4x</td>
<td>4x</td>
<td>4x</td>
<td>10/100Mb FD auto-negotiation</td>
</tr>
<tr>
<td>WAN Interface</td>
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<td></td>
<td></td>
<td></td>
<td>10/100 Mb/s full and half duplex operation, auto-crossing</td>
</tr>
<tr>
<td>RP-SMA Socket</td>
<td></td>
<td>1 antenna included</td>
<td></td>
<td></td>
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<tr>
<td>Wi-Fi Modem</td>
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<td></td>
<td>1x</td>
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<tr>
<td>3G Modem</td>
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<td>4G Modem</td>
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</table>

## General Information

<table>
<thead>
<tr>
<th>Voltage</th>
<th>10 – 30V DC (SELV and limited-energy circuit)</th>
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<tbody>
<tr>
<td>Power consumption</td>
<td>max. 250mA @ 24V DC</td>
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<tr>
<td>P protection class</td>
<td>IP 20</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-40 – 75°C (0 – 50° for DRL-ISR-104)</td>
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<tr>
<td>Storage temperature</td>
<td>-40 – 85°C</td>
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<tr>
<td>Humidity</td>
<td>0 – 95% (non-condensing)</td>
</tr>
<tr>
<td>Dimensions (max.)</td>
<td>69mm x 38.5 x 92.5mm (W x D x H)</td>
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<tr>
<td>Weight (max.)</td>
<td>240g</td>
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<tr>
<td>Mounting</td>
<td>DIN rail mounting (based on DIN EN 50022)</td>
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<tr>
<td>EMC</td>
<td>EN 61000-6-1:2011-18, EN 61000-6-2:2008-3</td>
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## Markets Served

**Food and Beverage**

![Food and Beverage Image]

**Robotics**

![Robotics Image]

**Oil and Gas**

![Oil and Gas Image]