MURR ELEKTRONIK

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MIRO BT
Wireless Signal Transfer

| Reliable

| Flexible

| Safe

| MIRO BT
TRANSFER SIGNALS WIRELESSLY

In most industries, there is an increasing amount of data to exchange with other applications or industrial data acquisition systems. Additionally, there are increased requirements regarding the mobility of machines and system components.

Therefore, the possibilities for cable based systems are limited. Statistically, it's true that they provide the fastest and safest data transfer possibilities, but these systems are not very resistant to EMC disturbances or high bending and changing cycles in C-tracks. Slip rings in rotating systems can also get dirty with cable based systems and there are potential differences between system parts that are far away from each other.
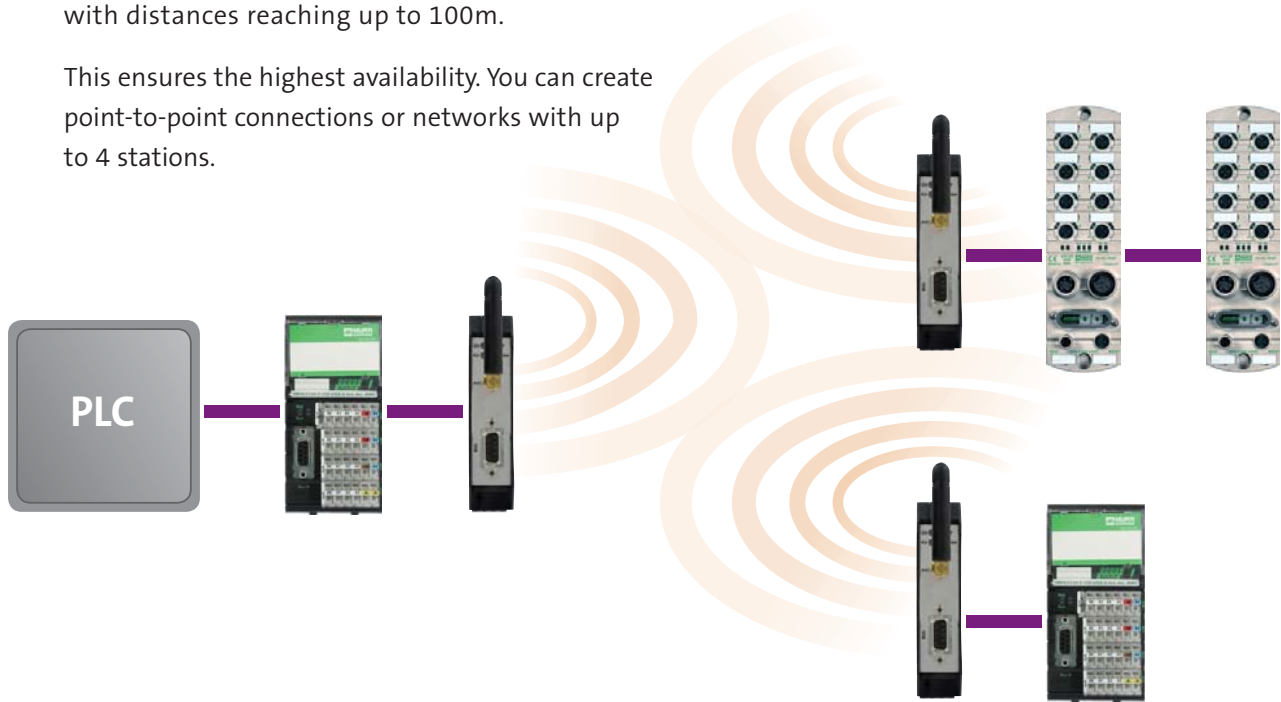
Versatile Applications

The compact MIRO BT and MIRO BT IO modules have been specifically designed to ensure safe and reliable data exchange by wirelessly transferring signals in such application fields. Using cutting-edge Bluetooth wireless technology, it's possible to cover wireless distances of up to 100 m. The modules can be coupled with a code to prevent communication with unknown subscribers.

MIRO BT is designed for wireless connections of Profibus DP stations to Profibus networks. MIRO BT IO enables wireless signal transfer between machines and systems using a point-to-point method.

| MIRO BT

MIRO BT is specifically designed for long-distance wireless connections or mobile Profibus-DP units up to 1.5 Mbit/s. Cutting-edge Bluetooth technology makes it possible to connect the stations even under extremely stressful conditions in industrial applications, with distances reaching up to 100m.

This ensures the highest availability. You can create point-to-point connections or networks with up to 4 stations.

MIRO BT at a glance:

- Profibus up to 1.5Mbit/s
- Transparent integration or use as diagnostic station
- Bluetooth transfer up to 100m – adjustable transmitter power
- Networks with up to 4 stations
- Blacklisting of 3 WLAN channels
- Highest availability

MIRO BT

Type	Art. No.
MIRO BT DP 1.5 M-4	**57010**
Wireless master module to connect to Profibus 1.5 Mbit/s for up to 4 wireless or DP stations	
MIRO BT DP 1.5 S-4	**57011**
Wireless station module for up to 4 Profibus-DP 1.5 Mbit/s stations	
MIRO BT DP 0.1875 M-4	**57015**
Wireless master module to connect to Profibus 0.1875 Mbit/s for 1 wireless station with up to 4 DP stations	
MIRO BT DP 0.1875 S-4	**57016**
Wireless station module for up to 4 Profibus-DP 0.1875 Mbit/s stations	

ANTENNAS

Type	Art. No.
2.4 GHz omnidirectional antenna 90°	**57030**
SMA connection	
2.4 GHz omnidirectional antenna	**57031**
SMA connection, 2.5 dBi	
2.4 GHz omnidirectional antenna	**57032**
SMA connection, 4 dBi	
2.4 GHz directional antenna	**57033**
SMA connection, 8 dBi	

| MIRO BT IO

MIRO BT IO is the perfect solution to transfer signals point-to-point wirelessly. You don't need a fieldbus, because the signals are put out 1:1 on the corresponding, opposite side. This makes it possible to add MIRO BT IO without causing any problems to an existing system, for example to transfer status information or to link new components to the system.

MIRO BT IO at a glance:
- Signal transfer of up to 8 IO modules
- Module is connected with pluggable backplane bus
- Bluetooth transfer up to 100m – adjustable transmitter power
- Point-to-point connection
- Blacklisting of 3 WLAN channels
- Highest availability

ANTENNA CABLE AND ACCESSORIES

Type	Art. No.
2.4 GHz antenna cable SMA straight to 90°, 0.5 m	**57040**
2.4 GHz antenna cable SMA straight to 90°, 1m	**57041**
2.4 GHz antenna cable SMA straight to 90°,4m	**57043**
2.4 GHz antenna cable SMA straight to 90°, 10m	**57045**
Over voltage protection for 2.4 GHz antennas SMA connection	**57039**

MIRO BT IO

Type	Art. No.
MIRO BT IO Wireless module for point-to-point connection of up to 8 expansion modules	**57020**
MIRO BT IO DIO6 AI2 AO2 0...10V 6 multifunctional digital IOs 2 analog inputs 0...10V, 12 Bit 2 analog outputs 0...10V	**57022**
MIRO BT IO DIO6 AI2 AO2 4...20mA 6 multifunctional digital IOs 2 analog inputs 4...20mA, 12 Bit 2 analog outputs 4...20mA	**57023**
MIRO BT IO DIO8 Relay 8 multifunctional digital IOs with non-isolated 24V relays	**57024**

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