



stay connected



| 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 100m. 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.

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

| 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	57040
SMA straight to 90°, 0.5 m	
2.4 GHz antenna cable	57041
SMA straight to 90°, 1m	
2.4 GHz antenna cable	57043
SMA straight to 90°, 4m	
2.4 GHz antenna cable	57045
SMA straight to 90°, 10m	
Over voltage protection for 2.4 GHz antennas	57039
SMA connection	

MIRO BT IO

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



stay connected

Murrelektronik GmbH | Falkenstraße 3, D-71570 Oppenweiler | P.O. Box 1165, D-71567 Oppenweiler
Phone +49 7191 47-0 | Fax +49 7191 47-130 | info@murrelektronik.com | www.murrelektronik.com

The information in this brochure has been compiled with the utmost care. Liability for the correctness, completeness and topicality of the information is restricted to gross negligence.