

- **Industry 4.0**
- **Industry 5.0**

MATRANDA

MTD_Control Module

Article nr. : MTD_Control Module



MTD_Control Module	Specification
Real-time data storage	3 days
Storage capacity	512Gb
Dimensions WxDxH	600x600x 500
Supply voltage	230Vac
P-Nom	65W
Ethernet ports	5
Ambient temperature	10°C to 45°C
Protection class	IP20
Gland pass-through	X
Controller	Windows 10 IoT Enterprise 2021 Matranda standard software

The MTD_Control Module is directly connected to the MTD_Server and possibly to other MTD_Control Modules in the organisation. It is not necessary to place the MTD_Control Modules in the same subnet, they can even be in a different location. Even abroad. And all Control Modules can independently send data to the MTD_Server.

The MTD_Control Module is a kind of 'Traffic Controller' that controls the data traffic between all connected machines / equipment / other MTD_Control Module's / MTD_Fat Clients / MTD_Server. The Control Module puts the data in the correct format so that it can be read by the MTD_Server.

The MTD_Control Module processes Real Time Data coming from a machine / equipment / MTD_Fat Client. To relieve the MTD_Control Module as much as possible, we prefer to read the Real Time data directly into a separate MTD_Fat Client.

The MTD_Control Module can process up to 16,000 different data Tags. If multiple data Tags need to be processed, we recommend installing an additional MTD_Control Module.

Data Tags can only be sent by the MTD_Control Module to another Machine / Equipment / MTD_Fat Client. We need this option so that machines can learn from each other (kind of AI). This is called Machine Learning.

To ensure data security, a proprietary network was chosen to transmit the encrypted data. The network is therefore a wired network according to the ISA95 model, equipped with RJ45 connectors (Ethernet).



MATRANDA, manufacturer and supplier of machine control and data collection with data transport.

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