



## Top product features!

- 4-port RFID controller configurable for read/write antennas or digital inputs and outputs
- Configuration through built in web page which includes read/write capability
- Standard non-shielded M12 cables between antenna and controller
- 13.56 MHz system uses standard ISO 15693 tags for global compatibility
- Integrated Ethernet switch can be used to daisy-chain devices

## RFID high frequency system for tracking high speed processes

**NEW!** ifm's RFID DTE identification system is used to track, control and improve the quality of products throughout the automation process. ifm's DTE, RFID solution offers an easier and less expensive way to implement RFID. Widely used in conveying, mold / die management and pallet tracking, the DTE system is capable of reading and writing data at high speeds and can connect to all common plc's and industrial bus systems.

The robust DTE controller contains a built-in web-based tool for device setup, diagnosis and monitoring. Setting up the device can be done conveniently from the user's desk, without connection to a field bus system, for example, and thus allows the system to be tested prior to installation. No external software is necessary for configuring.

ifm's RFID antennas are tubular and rectangular shaped with M12 connection and can be used in applications where space is restricted. The read / write antennas are simply connected to the DTE controller with M12 patchcords. Because the devices use industry standard – M12 connectors, no complicated wiring is necessary.

ID tags (transponders) are easy to mount to pallets or work-piece carriers. Information is quickly exchanged from the ID tag and the read / write antenna and transferred to the DTE controller providing an accurate real-time location, or any other parameters that have been set, of the pallet.



**A** Standard non-shielded M12 cables are used between antenna and controller

**B** 4 port controller for connection of:

- Read/Write antenna
- Digital Input
- Digital Output

**C** No external software: Configuration through built-in web page

**D** No handheld RFID tool required: Web page allows for read and write capabilities

**E** Durable IP67 housing

**F** 13.56 MHz system uses standard ISO15693 tags for global compatibility

**G** Integrated Ethernet switch can be used to daisy chain devices

**D** Device parameters can be downloaded by the PC/PLC for easy hardware replacement

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Motion Control

Vision Sensors

Company

IO-Link

Inductive

Capacitive

Cylinder / valve position

Photoelectrics / lasers / fiber optics

Distance / Application specific

Ultrasonic

Encoders / Speed monitors

2D / 3D inspection



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6 - 21



22 - 55



56 - 61



62 - 71



72 - 111



112 - 117



118 - 119



120 - 127




128 - 143





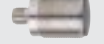
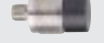





# Product + accessory selector

## 1 Select controller

Type	Description	Interface	Design	Part No.	List Price (1-pc.)
	RFID controller	Profibus DP	for up to 4 read/write heads type ANT4xx / ANT5xx	<b>DTE100</b>	<b>\$536.00</b>
	RFID controller	PROFINET	for up to 4 read/write heads type ANT4xx / ANT5xx	<b>DTE101</b>	<b>\$591.00</b>
	RFID controller	EtherNet/IP	for up to 4 read/write heads type ANT4xx / ANT5xx	<b>DTE102</b>	<b>\$591.00</b>
	RFID controller	Ethercat	for up to 4 read/write heads type ANT4xx / ANT5xx	<b>DTE103</b>	<b>\$574.00</b>
	RFID controller	Ethernet TCP/IP	for up to 4 read/write heads type ANT4xx / ANT5xx	<b>DTE104</b>	<b>\$588.00</b>

## 2 Select antenna(s)






Type	Sensing Range	Dimensions (mm)	Part No.	List Price (1-pc.)
	≤ 12 mm*	M12 / L = 70 flush mountable	<b>ANT410</b>	<b>\$221.00</b>
	≤ 18 mm*	M12 / L = 70 nonflush mountable	<b>ANT411</b>	<b>\$221.00</b>
	≤ 18 mm*	M12 / L = 70 nonflush mountable	<b>ANT420</b>	<b>\$216.00</b>
	≤ 30 mm*	M30 / L = 50 flush mountable	<b>ANT421</b>	<b>\$216.00</b>
	≤ 30 mm*	M30 / L = 50 flush mountable	<b>ANT430</b>	<b>\$285.00</b>
	≤ 50 mm*	M30 / L = 50 nonflush mountable	<b>ANT431</b>	<b>\$285.00</b>
	≤ 60 mm*	40 x 40 x 66 nonflush mountable	<b>ANT513</b>	<b>\$229.00</b>
	≤ 50 mm*	M30 / L = 50 nonflush mountable	<b>ANT515</b>	<b>\$210.00</b>
	≤ 60 mm*	40 x 40 x 66 nonflush mountable	<b>ANT516</b>	<b>\$210.00</b>

\*As tested with E80371


## 3 Select patchcord for antenna connection

Type	Design	Cable Length	Part No.	List Price (1-pc.)
	M12 straight male to M12 straight female	2 M	<b>EVC013</b>	<b>\$20.00</b>
		5 M	<b>EVC014</b>	<b>\$21.00</b>





## 4 Select ID Tags

Type	Description	Temperature	Part No.	List Price
	896 bits, Ø 50 x 3 mm	-25...85 °C	<b>E80384</b>	<b>\$12.00</b>
	16 Kbits, Ø 30 x 2.8 mm	-25...85 °C	<b>E80370</b>	<b>\$22.00</b>
	896 bits, Ø 22 x 3 mm	-25...90 °C	<b>E80404</b>	<b>\$54/10 pcs</b>
	16 Kbits, Ø 20 x 3 mm	-25...85 °C	<b>E80349</b>	<b>\$70/5 pcs</b>
	1024 bits, Ø 9.5 x 1 mm	-25...85 °C	<b>UR0003</b>	<b>\$11.00</b>

## 5 Select power cord

Type	Design	Cable Length	Part No.	List Price (1-pc.)
	M12 Micro DC male cordset	2 m	<b>EVC076</b>	<b>\$17.00</b>
		5 m	<b>EVC077</b>	<b>\$19.00</b>

## 6 Select communication cable

Type	Design	Cable Length	Part No.	List Price (1-pc.)
	M12 Ethernet cable D-coded / RJ45, cross-link	2 M	<b>E11898</b>	<b>\$45.00</b>
	M12 Ethernet cable	2 M	<b>E21138</b>	<b>\$88.00</b>
		5 M	<b>E21139</b>	<b>\$95.00</b>
		10 M	<b>E21137</b>	<b>\$117.00</b>
	RFID amplifier for ANT420 and ANT421		<b>E80390</b>	<b>\$59.00</b>
	RFID amplifier for ANT515 and ANT516		<b>E80391</b>	<b>\$59.00</b>

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