



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

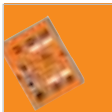
E Durable IP67 housing

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

Company	IO-Link	Position Sensors	Inductive	Capacitive	Cylinder / valve position	Photoelectrics / lasers / fiber optics	Distance / Application specific	Ultrasonic	Motion Control	Vision Sensors
1 - 5	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	DTE100	\$536.00
	RFID controller	PROFINET	for up to 4 read/write heads type ANT4xx / ANT5xx	DTE101	\$591.00
	RFID controller	EtherNet/IP	for up to 4 read/write heads type ANT4xx / ANT5xx	DTE102	\$591.00
	RFID controller	Ethercat	for up to 4 read/write heads type ANT4xx / ANT5xx	DTE103	\$574.00
	RFID controller	Ethernet TCP/IP	for up to 4 read/write heads type ANT4xx / ANT5xx	DTE104	\$588.00

2 Select antenna(s)

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

*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	EVC013	\$20.00
		5 M	EVC014	\$21.00

4 Select ID Tags

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

5 Select power cord

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

6 Select communication cable

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

Safety Technology

Process Sensors

Industrial Networks

ID Systems

Machine Condition

Power Supplies

Wiring Technology

Safety products

Pressure

Flow

Level

Temperature

AS-i network

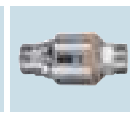
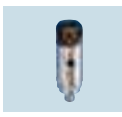
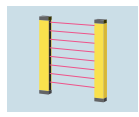
Safety systems

RF identification systems

Diagnostic systems

Power supplies

Cordset solutions



144 - 155

156 - 175

176 - 191

192 - 207

208 - 225

226 - 239

240 - 251

252 - 253

254 - 259

260 - 263

264 - 277

