BALLUFF

Fieldbus interface, processor unit and antenna in one compact device

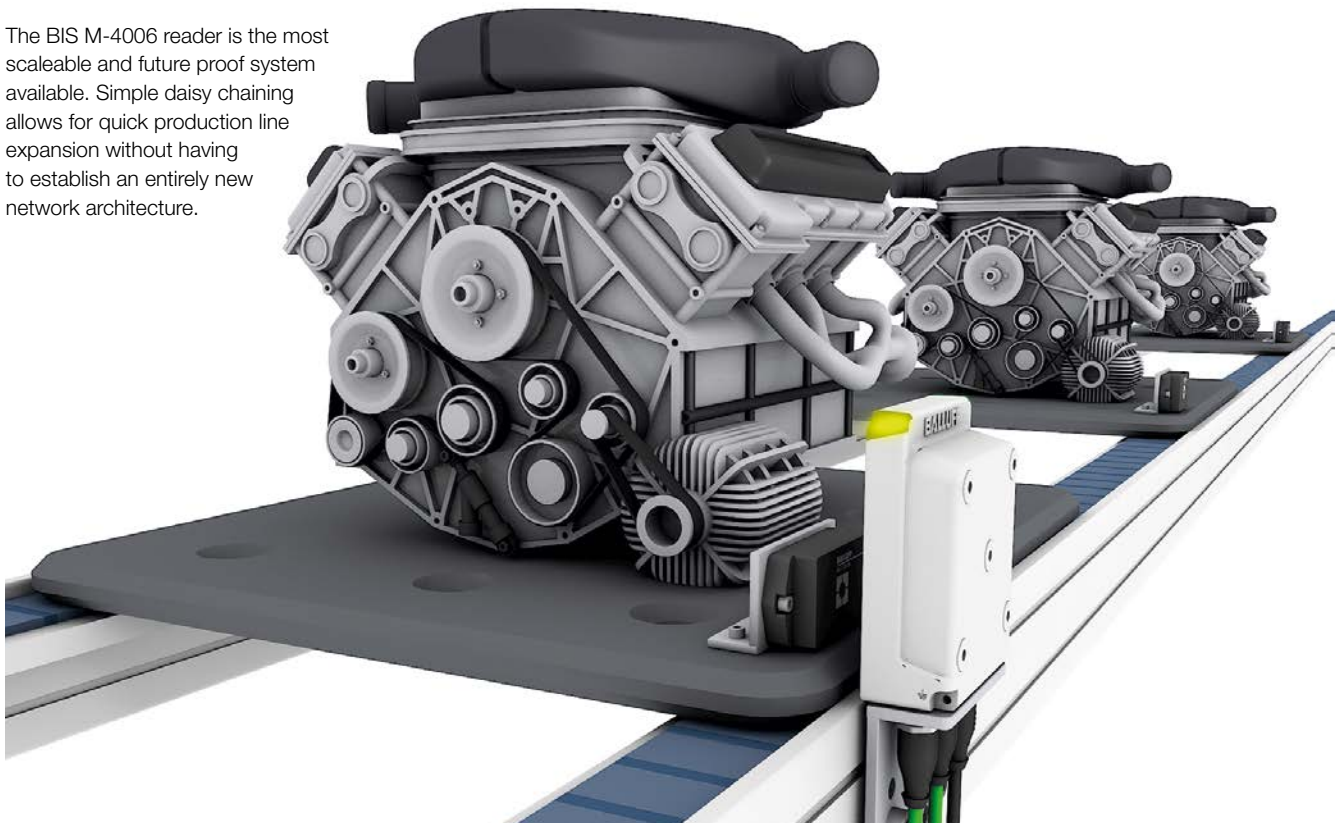# ALL-IN-ONE READ/WRITE SOLUTION WITH ETHERNET/IP INTERFACE

Supports DIN ISO15693 tags as well as high-memory and high-speed data carriers

The all-in-one solution with Ethernet/IP interface is a processor and antenna in one compact device. The system helps create process visibility while saving time, space, and unnecessary cost. For example, in assembling high-value goods in aggregate construction. This provides production security, enables fast correction runs and prompt adjustments when requirements change. RFID systems record every process step – all the production parts used, all materials and process fluids including time, location and sequence. This execution, process and origin information is automatically documented and is available in real time. These data are sent to the BIS M-4006 reader and from there to the PLC.

The BIS M-4006 reader is the most scaleable and future proof system available. Simple daisy chaining allows for quick production line expansion without having to establish an entirely new network architecture.

Features

- Save time, space and start-up cost with direct Ethernet/IP connection
- Status LEDs for quick trouble shooting and short downtimes
- Simple network integration with integrated 2-port switch, supports RT and IRT
- Can be installed directly on metal – rugged zinc die-case housing
- IP 67 for use in harsh industrial environments
- Integrated web server for diagnostics and reading/writing

EtherNet/IP
RFID READER WITH ANTENNA

	BIS018A	BIS018C
Dimension	119 × 80 × 35 mm	119 × 80 × 35 mm
Housing material	Cast zinc coated and PC	Cast zinc coated and PC
Transmission frequency	13.56 MHz	13.56 MHz
Interface	Ethernet/IP: IRT-capable 2-port switch	Ethernet/IP: IRT-capable 2-port switch
Antenna type	Round	Rod
Weight	410 g	490 g
Degree of protection per IEC 60529	IP67 (with connectors)	IP67 (with connectors)

Connection configuration	Power	M12 male, 4-pin	M12 male, 4-pin
	Ethernet/IP In	M12 female, 4-pin, D-coded	M12 female, 4-pin, D-coded
	Ethernet/IP Out	M12 female, 4-pin, D-coded	M12 female, 4-pin, D-coded

Ambient temperature	0…+70 °C	0…+70 °C
Storage temperature	−20…+85 °C	−20…+85 °C
Supported standard	ISO 15693	ISO 15693

ACCESSORIES

	BAM01AY	BAM024T	BAM024P	BAM021T
Description	Mounting holder	Sensor holder	Base holder	Mounting rod 200 mm

Other lengths available

CONNECTORS

2 M CABLE	BCC05F8	BCC09NN	BCC0E90
5 M CABLE	BCC05F9	BCC09NP	BCC0E8Z
Use	Power cable	Ethernet TCP/IP	Ethernet TCP/IP
Description	M12 female, straight	M12 male, straight/ M12 male, straight	M12 male, straight/ RJ45, straight

Other cable lengths available