INDUSTRYpro8 UHFext

Industrial UHF RFID multi antenna read/write unit

iID® INDUSTRYpro8 completes iID® INDUSTRY UHF product line by a small form factor multi antenna read/write device developed for asset tracking and sensor applications.

INDUSTRYpro8 supports connection of up to eight external antennae and is available with different host interfaces like Ethernet, USB (optional combined with digital signal lines), RS232 or P-CAN. A comfortable set of software functions supported in *microsensys* iID® driver engine as well as scripting mode (SPC) makes this reader very flexible for customer solutions.

microsensys offers an attractive component platform for RFID solutions – from transponders and sensor transponders over smart readers to practical software tools.

FAX +49-361-59874 17
WEB www.microsensys.de
This data sheet is subject to change.
contact microsensys for latest information   INDpro8 UHF-02

Basics:	UHF (868 or 915MHz), far field read / write unit with external antennae DOC (direct online communication) and SPC (script programmed communication) mode
RF System:	UHF: iID®4000
Standards:	based on ISO 18000-6C
Chip Solutions:	EPC C1 G2 / ISO 18000-6C, Alien Higgs 3/4, Impinj Monza 3/4/5, NXP UCODE, Temperature Sensor EM4325, TELID
RFID Air Interface:	868/915 MHz RFID
Operating Distance:	0 … 10m, depending on transponder type and metal environment
Reader Antenna:	8x50Ω connector for 1..8 external antenna, multiplexed
Field Direction:	-
Communication Rate:	transmit: up to 160 kbps, receive: up to 320 kbps
HOST Interface:	Ethernet or USB or RS232 standard or P-CAN
Connector:	mini USB or Connector M12 Automation Technology, SMA jack antenna connector
Power Supply:	5V±5% (USB, stabilized) or +7.5V..24V (unstabilized)
Power Consumption:	typ. 100mA (USB, idle mode, +5V), typ. 400mA (USB, active mode, +5V)
Software Interface:	iID® interface protocol V4
Supported Commands:	see actual API documentation of microsensys iID® driver engine
Housing:	aluminum case with mounting slot
Device Size:	approx. 165 x 105 x 38 mm^3, (165 x 115 x 38 with connectors/mounting lug)
Casing Material:	black aluminum (anodized)
Mounting:	mountable with 4 screws, mounting on metal surfaces possible
Environmental Conditions:	industrial environment
Operating Temperature:	-5°C…+70°C
Storage Temperature:	-25°C … +85°C
Protection Class:	IP 54
Emissions:	CE EN 302 208-2, on inquiry FCC part 15

Order Information:

Type:	44.09.850	44.03.850	44.07.850*	44.01.850.00	44.09.851.00
RFID Antenna:	1…8 external	1…8 external	1…8 external	1…8 external	1…8 external
HOST Interface:	USB	Ethernet	P-CAN	RS232	2xIN, 1xOUT/ USB
Power Supply:	5V+/-5%	7.5V…24Vdc	7.5V…24Vdc	7.5V…24Vdc	5V+/-5%

*) in development or delivery only for special projects