

## JAG IDS Identification System



### **JAG Jakob AG** Process Engineering,

your partner for plant construction and process automation offers the JAG IDS, a versatile solution for the user identification and presence control that complies with the hygienical requirements for use in clean rooms.

The JAG IDS panel mount and desktop readers were designed to meet the most demanding requirements of the pharmaceutical, biotech, chemical, cosmetics and food industries.

### **Features and benefits of the JAG IDS Identification System**

- The combination of JAG IDS readers with the software JAG User Manager allows a variety of different applications:
  - Management of the access rights
  - Access control during operation
  - Ensure the traceability regarding user interventions
  - Presence control
  - Facility access control
- Available as panel mount and desktop version, suitable for wall mount as well
- Power supply and communication through the same cable
- Hygienic, chemical resistant design
- Supports tags in three form factors: key-like, key-fob (drop-like) and credit card format
- The tags are held by the reader and act like a key. Interventions with access control are only possible while the tag of a user with adequate user rights is present on the reader

## Mechanical data

Dimensions of the reader (mounted, w x h x d)	99 x 99 x 20 mm
Panel cutout for the reader (panel mount versions)	84 x 84 mm (centered), inst. depth 40 mm <sup>[1]</sup>
Mounting of the controller (panel mount versions)	Clipped on DIN-rail TS 35 mm or fixed with adhesive tape. Width 62 mm
Dimensions of the desktop version (w x h x d)	105 x 90 x 150 mm
Protection	Reader head IP 65
Materials	Reader head: POM-C and PVC Seals: EPDM Desktop housing: V2A steel USB cable: PVC Resistant to most cleaning agents used in clean rooms up to class B
Operating conditions	0 to +50 °C 10 to 90 % rel. humidity, non-condensing

## Electrical data

Supply voltage	USB versions: via the USB cable (type A, 1.5 m) RS 422 version: via the communication cable to the PdiCS+ module (24 VDC)
Supported tags	Microtronic U-KEY, U-TAG and U-CARD Technology: MIFARE Classic

## Software

User management and access control	JAG User Manager II
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## Order information

Panel mount version USB Order number	JAG IDS Einbau USB M019.024.020.010
Panel mount version RS 422 Order number	JAG IDS Einbau RS 422 M019.024.020.020
Desktop version USB Order number	JAG IDS Desktop USB M019.024.020.030
Wallmount version USB Order number	JAG IDS Wallmount USB M019.024.020.040

<sup>[1]</sup> Metallic objects placed in this zone lead to a reduction of the reading distance and shall therefore be avoided

## JAG IDS Wallmount USB



The three supported tag form factors



Pinout of the RS 422 version (D-Sub 9P male)

	Pin	IDS signal	PdiCS signal
	1	Reserved	
	2	Reserved	
	3	+24 V	+24 V
	4	0 V	0 V
	5	Reserved	
	6	TX-	RX-
	7	TX+	RX+
	8	RX-	TX-
9	RX+	TX+	

The connection cable is designed so it can directly be connected to an RS 422 port of a PdiCS module.