

USB-to-CAN/FD Standard Card



The Ixxat USB-to-CAN/FD Standard Card with galvanic isolation offers a straightforward and economical solution for connecting a computer to a CAN/CAN FD bus network. This card version is installed via slot board and internal USB-C cable to a PC. It is a very reliable tool for CAN applications e.g. in the field of test, development, maintenance or control applications.

Galvanic isolation reliably enhances the protection of the device against damage to electronics caused by voltage peaks.

FEATURES AND BENEFITS

- Combines CAN and CAN FD in one device
- Cost-effective and extremely versatile
- High-precision time-stamp accuracy
- High data throughput combined with low latency
- USB 2.0 hi-speed (480 Mbit/s), compatible with USB 3.x
- Galvanic isolation
- CAN FD connection up to 8000 kbit/s via D-Sub 9 connector
- Common driver interface for easy exchange of the PC interface type
- Powerful programming interface for Windows (VCI) as well as for Linux (SocketCAN or ECI), QNX and VxWorks (ECI)

ORDER NUMBER	USB-to-CAN/FD Standard Card
CAN/CAN FD channels	1
CAN high-speed interface	1x D-Sub 9, CiA standard pinning according to CiA 303-1
CAN high-speed bit rates	10 kbit/s to 1000 kbit/s
CAN FD bit rates	up to 1000 kbit/s arbitration rate with up to 8000 kbit/s data rate
CAN bus termination resistors	-
CAN controller	ISO 11898-2:2015 CAN and CAN FD
CAN high-speed transceiver	TCAN1044 or compatible
Galvanic isolation	1 kV DC for 1 min.
USB interface	USB 2.0 hi-speed (480 Mbit/s), compatible with USB 3.x
USB connector	Internal USB cable (type C) to 5-pin female connector
Microcontroller	32 bit, ARM, 160 MHz
Power supply	+5 V DC/300 mA (via USB port)

ORDER NUMBER	USB-to-CAN/FD Standard Card
Dimensions	67.5 x 40 x 13.6 mm
Weight	30 g
Operating temperature	-40 °C to +85 °C
Storage temperature	-40 °C to +85 °C
Relative humidity	10 to 95 %, non-condensing
Certification	CE, FCC
Operating systems	Windows 11, Windows 10 (32/64), Linux, QNX and VxWorks



ACCESSORIES	ORDER NUMBER
Termination adapter for CAN/CAN FD (D-Sub plug to socket)	1.04.0075.03000
CAN cable 2.0 m (D-Sub plug to socket)	1.04.0076.00180
CAN Y cable 0.22 m	1.04.0076.00001
CAN Y cable 2.1 m	1.04.0076.00002

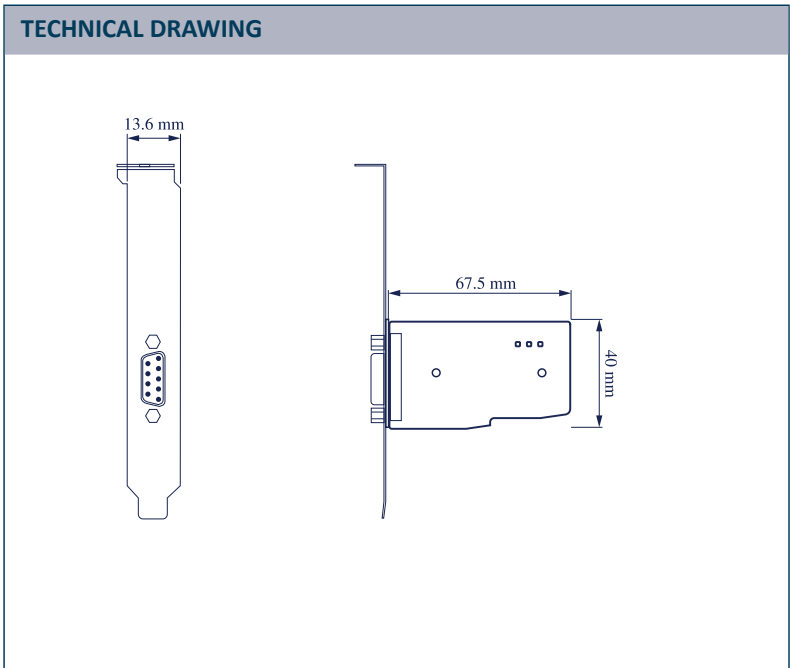
PIN ALLOCATION

USB 5 Pin Female Connector

Pin	Signal
1	+5 V/voltage +/VCC
2	D-/data-/USB-
3	D+/data+/USB+
4	GND/voltage-/ground
5	GND

CAN Connector

Pin	Signal
7	CAN high
2	CAN low
3	CAN GND



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宏虹簡介

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服務與技術

我們的專業領域包括，汽車電子模擬及測試、射頻微波及無線通訊測試、半導體測試、無線頻譜監測與規劃、大物理和光電測試等。我們圍繞汽車電子、射頻微波、通訊、航空航天等行業提供專業可靠的解決方案。

成就與認可

我們已為汽車、電科、航空航天、通訊、教育、雷達科技、智能科技等多個行業，完成超過 1000 次的檢測和測量測試，提供使用者從硬體到軟體的不同方案，廣受客戶的好評與信任。選擇宏虹，就是選擇專業和可靠。我們將為您提供一站式解決方案、個性化客製服務以及專業可靠的售後技術支援，省時高效，助力企業實現自動化升級與數位化轉型。



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版本：V1.0



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