CANDi7

CAN Touchscreen



TECHNICAL DATASHEET

Short Facts

Display Size	7“	Operating Voltage	9-36V
Display Resolution	1024x600	Operating Temperature	-20 to + 70°C
Brightness	850 cd/m²	Weight	380g
Touchscreen	Projected Capacitive	Interfaces	1x CAN, 1x IO

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Specifications

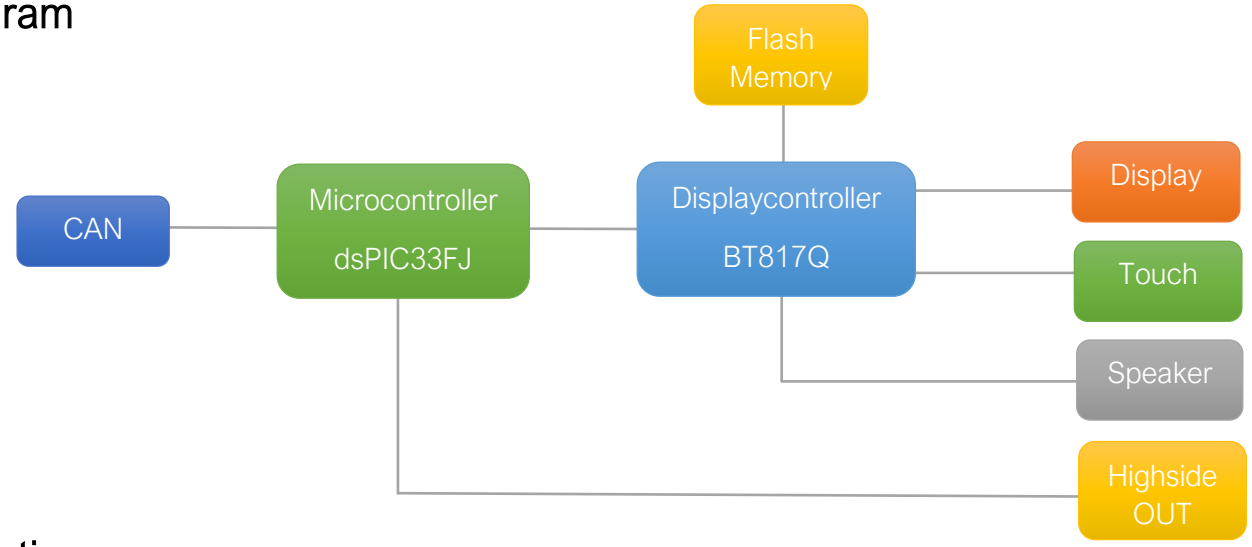
Display Size	7“	Display Resolution	1024 x 600 px
Supply Voltage	9-36V	Operating Temprature	-20 to + 70°C
Weight	380g	Brightness	850 cd/m²
Touchscreen	Projected Capacitive	Interfaces CAN	1x CAN up to 1 Mbit/s
Mounting	8 Hole Flange	Panel	TFT IPS
Viewing angle	85° each direction	Flash Memory size	512Mb
Material Screen	1,1mm Glass	Material Housing	ABS
Connector	EDAC 560-005-420-301	Optical Bonding	yes
Protection rate	IP67	Program Flash size	128 Kb
GPIO	0-10V input or 1A Highside OUT	Battery voltage measurement	Build in +/- 5%
Color	Black*		

*ask for different color options

Description

The CANDi7 is designed to display operators’ information on agriculture or construction machinery or commercial Vehicle in general. With its projected capacitive touchscreen, it is designed to work in harsh environments. Because of our special design with a dedicated graphic controller combined with a small microcontroller we can provide you a performant 7” touchscreen Display for an affordable price.

Block Diagram



Characteristics

Communication

CAN 2.0B Support. 11Bit and 29Bit IDs are possible. Data transmission rate up to 1Mbit/s.

IO

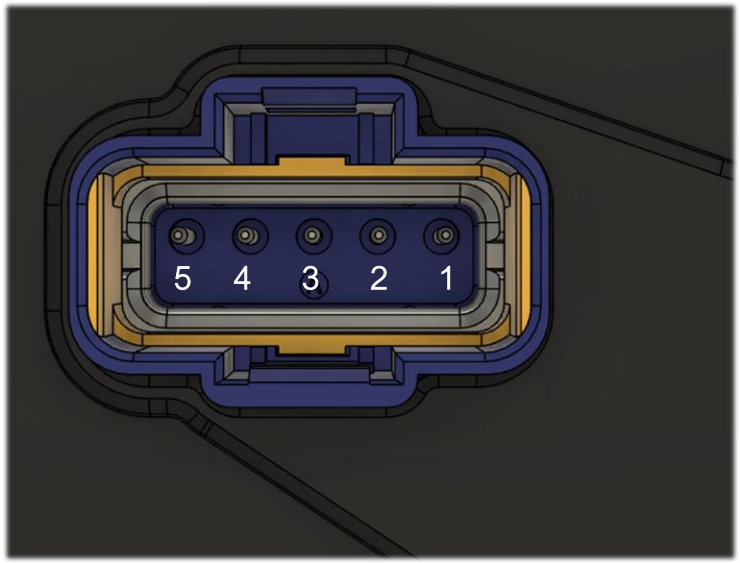
The CANDi7 has one universal IO Pin. It is possible to use it as analog input with a range from 0-10V with 12bit resolution. The output is a self-protected highside driver. Maximum load is 1A.

Mating Connector

On harness side EDAC 560-005-000-411with wires from Ø1.3mm to Ø1.7mm or 560-005-000-410 with wires from Ø1.0mm to Ø1.3mm. Mating contact is 565-290-741 or 565-290-741. Waterproofing cap is 565-200-100.

Pinout

PIN	Function
1	V+ Battery Power supply
2	IO1
3	GND Battery Ground
4	CAN-L
5	CAN-H



Programming

To program the CANDi7 it is recommended to use the toolchain from Bridgetech for the BT817Q graphic controller (EVE Asset builder) and the toolchain from Microchip for the dsPIC33 (MPLAB-X and XC16).

The CANDi7 comes with a CAN bootloader from CVEP. It is possible to flash all the assets to the dedicated flash chip and the program to the Microcontroller with our CVEP flash tool. The download process is based on CANopen. Ask CVEP for sample project and the QuickStart manual.

Dimensions



All values in mm.

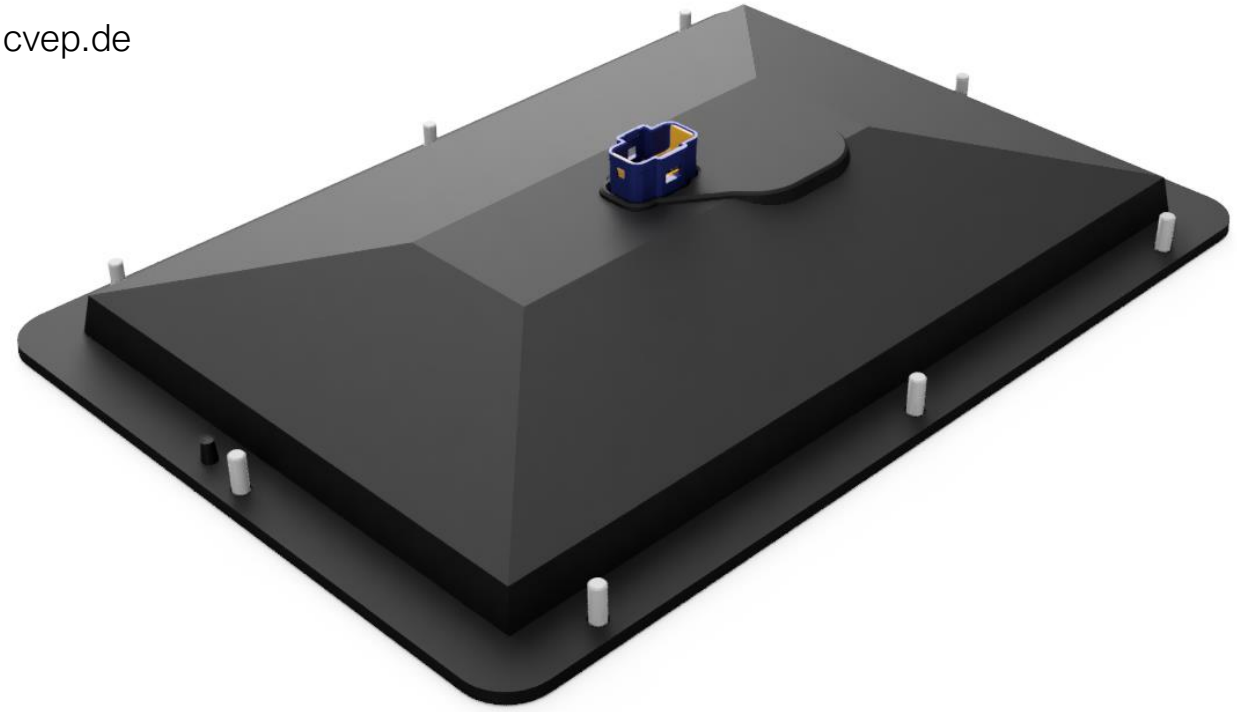
Ask CVEP for 3D-Model.

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