CANDi4s

CAN Touchscreen



TECHNICAL DATASHEET

Short Facts

Display Size	3.5“	Operating Voltage	9-36V
Display Resolution	320x480px	Operating Temperature	-20 to + 70°C
Brightness	1200 cd/m²	Weight	250g
Touchscreen	Projected Capacitive	Interfaces	1x CAN, 1x LIN

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v1

Specifications

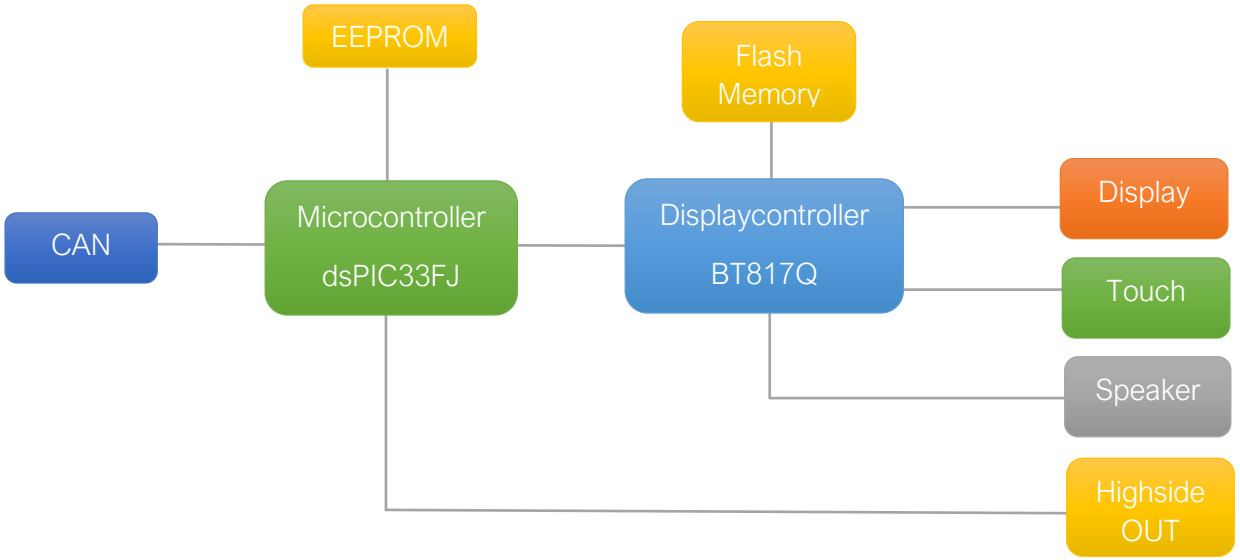
Display Size	3.5“	Display Resolution	320 x 480 px
Supply Voltage	9-36V	Operating Temprature	-20 to + 70°C
Weight	250g	Brightness	1200 cd/m²
Touchscreen	Projected Capacitive	Interfaces CAN	1x CAN up to 1 Mbit/s 1x LIN
Mounting	2x M5	Panel	TFT IPS
Viewing angle	85° each direction	Flash Memory size	4Mb
Material Screen	1,1mm Glass	Material Housing	Aluminium
Connector	M12 5p A-Code	Optical Bonding	yes
Protection rate	IP68	Program Flash size	128 Kb
EEPROM	256 kbit	Battery voltage measurement	Build in +/- 5%
Color	Black*		

*ask for different color options

Description

The CANDi4s 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 3.5” touchscreen Display for an affordable price.

Block Diagram



Communication

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

LIN Communication

Connector

M12 A-Coded 5 Pin.

Pinout

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

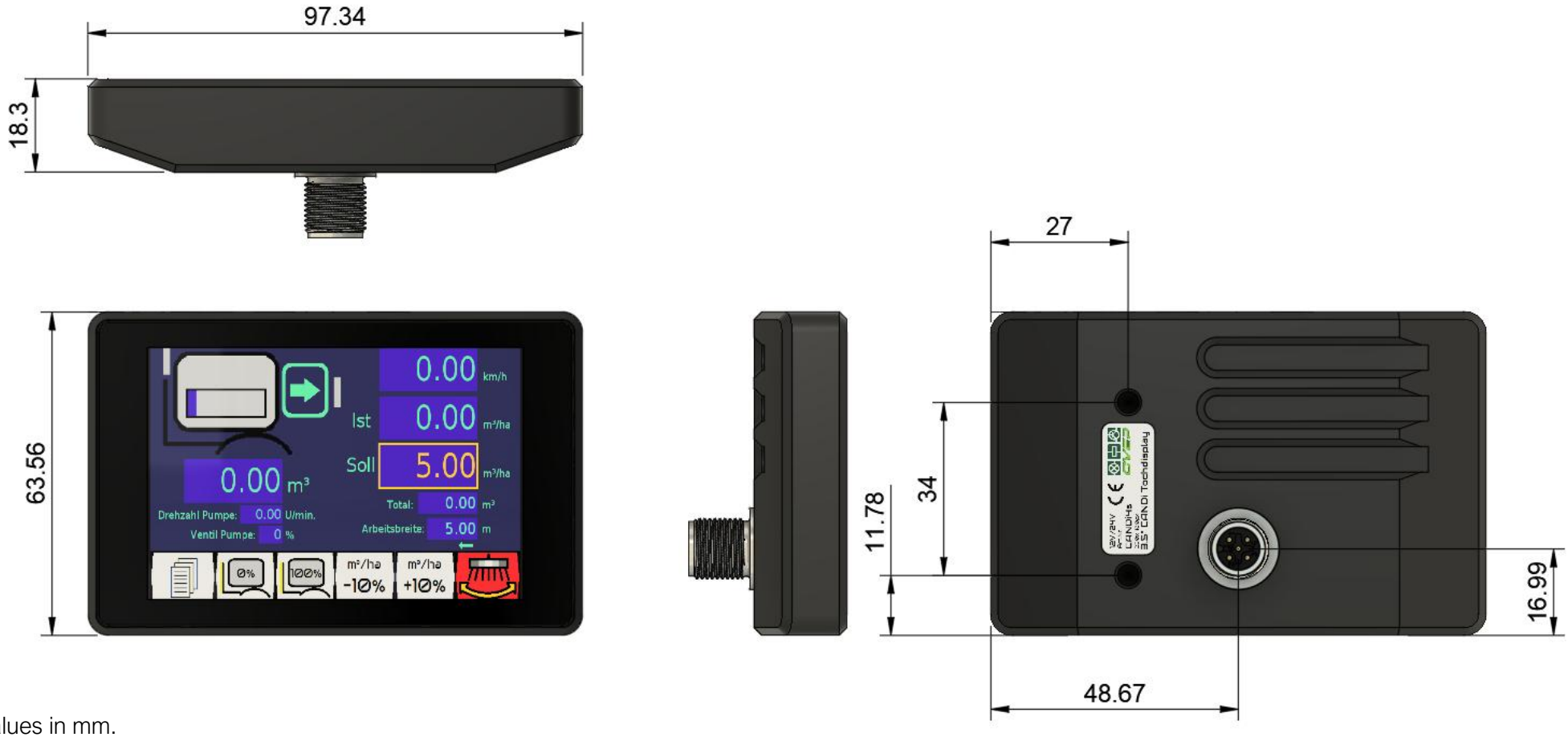


Programming

To program the CANDi4s 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 CANDi4s 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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