Vision 304t

Description

Vision 304t is a compact 4.3-inch display available with touch screen. The display is optically bonded for perfect sunlight readability. The housing is sealed, and the device can withstand wide range of temperatures as well as shocks and vibrations.

Specifications

Display diagonal size	4.3'', 15:9 aspect ratio
Dimensions	123 x 89 x 35 mm
Weight	560 g
Resolution	480 (W) x 272 (H) pixels
LCD type	TFT color graphic; optically bonded; projective-capacitive touch. Optional: without touch screen
Backlight	LED

Optical Characteristics

Luminance	800 cd /m² typ.
Viewing angle	V = +/- 70 deg. H = +/- 70 deg.
Contrast ratio	800:1

Maximum Ratings

Operating temperature	-30 to +65 °C (ambient)
Storage temperature	-40 to +85 °C
Supply voltage	9 to 36 V

Standards

CE-Mark	2014/30/EU
E-Mark	ECE 10R
EMC	ISO 16750-2
	ISO 15003
Mechanical	ISO 16750-3
	ISO 15003
Ingress protection	ISO 20653 IP66

System components

- Freescale i.MX6 ULL application processor, 32-bit ARM, 528 MHz
- 2 GB Flash, 256 MB RAM
- Runtime counter not buffered
- Stand-alone or in-dash mount, landscape or portrait orientation
- Projective capacitive touch screen
- Optically bonded
- Optional: without the touchscreen and buzzer
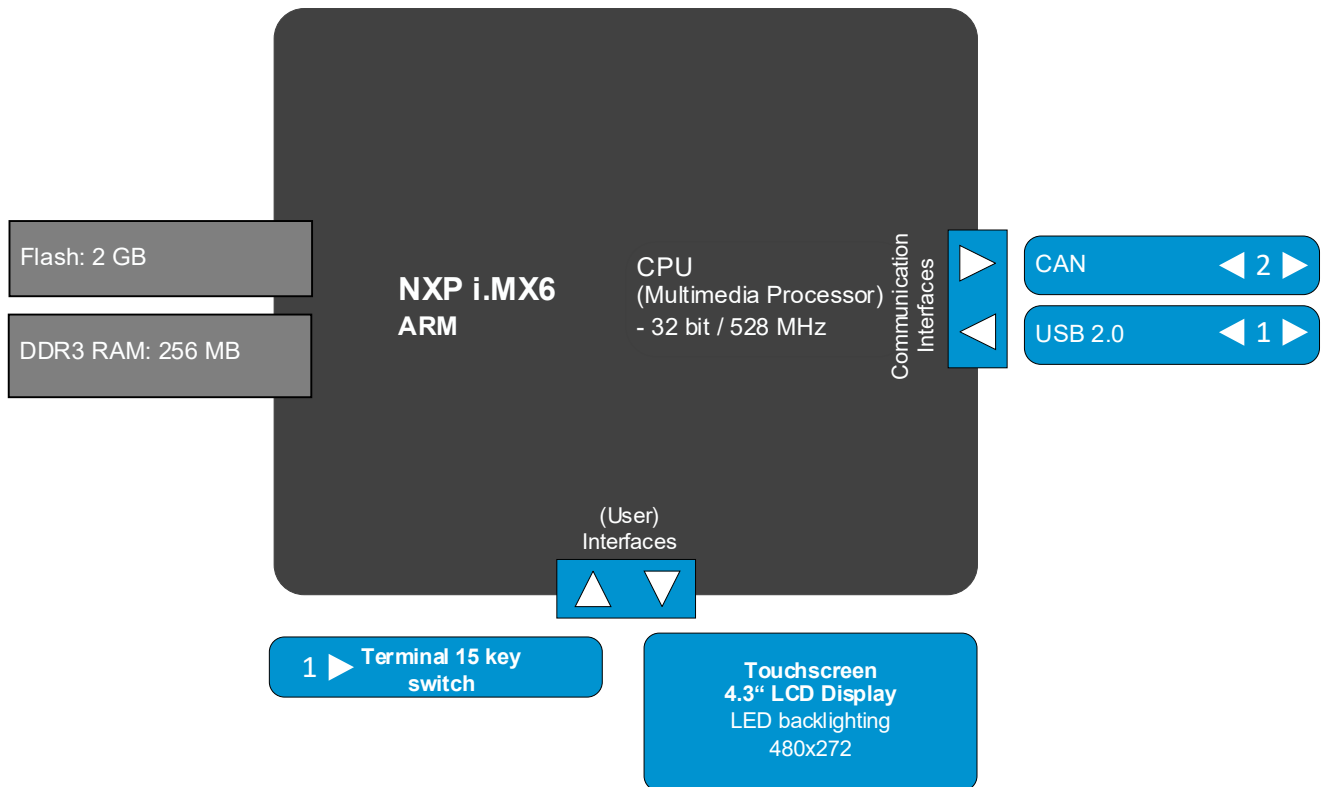
Interfaces

- 2 x CAN, 10 kbit/s up to 1 Mbit/s
- 1 x USB 2.0 (Type C)
- Terminal 15 key switch (ignition)
- LED backlight
- Buzzer

Software

- Programmable with CODESYS® V3 with enhanced target visualization, including support for CANopen® master or C/C++

Reverse polarity protection and protection of all external interfaces (except USB) against short circuit to GND and BAT+.

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Block Diagram

Flash: 2 GB	**NXP i.MX6** **ARM**
DDR3 RAM: 256 MB	CPU (Multimedia Processor) - 32 bit / 528 MHz

Communication Interfaces

CAN ◄ 2 ►

USB 2.0 ◄ 1 ►

(User) Interfaces ▲ ▼

1 ► **Terminal 15 key switch**

Touchscreen 4.3" LCD Display LED backlighting 480x272