TechNexion

Toucan-0700

Key Features

Based around Freescale i.MX6 ARM Cortex-A9 multicore technology.

Projective Multi-touch bright (500 nits) high resolution (1024*600) 7 inch panel.

Galvanic isolated CAN Bus and serial ports (RS-232/422/485).

USB host, USB OTG, Micro-SD cardslot, 4 GPIO's and HDMI for secondary display.

Gigabit POE function or 10~36VDC power input.

Available with colorful bezels.

Specifications

Processor	Freescale i.MX6 Solo/Duallite (i.MX6 Dual/Quad on project base)
Memory	512MB (Solo), 1GB (Duallite)
Storage	eMMC 4GB
Operation System	Linux 3.x, Yocto, Ubuntu Android 4.3 (jellybean), Android 4.4 (Kitkat)

Connectors

Network LAN	RJ-45 Gigabit Ethernet with POE function
External Display	HDMI 1.4
USB	1x USB Host 2.0 Connector 1x USB OTG 3.0 Connector
SD cardslot	micro SD cardslot
Serial	1x RS-232 (galvanic isolated) 1x RS-232/422/485 or MDB (galvanic isolated)
CAN Bus	2x Flex CAN version 2.0B Compliant (galvanic isolated)
GPIO:	4x GPIO
Buttons	1x Power button 1x Boot select button (force SD card boot)
Power	2 pin DC power terminal block (10~30VDC)

Internal Expansion Interfaces

USB	2x Internal pinheader
	1x pinheader (if touchpanel is not used)
Audio	Audio speaker connectors (Left / Right) (2 Watt pre-amplified)

Display and Touch

Internal Screen	7 inch widescreen LCD display with LED backlight
Resolution	1024 x 600 pixels
Maximum Colors	16.7 million
Luminance	500 cd/m²
Touchscreen	Projective Capacitive multitouch (4 points)
External Display	HDMI 1.4 Connector

Graphic Capabilities

GPU 3D	Vivante GC880
	35Mtri/s 266Mpxl/s
	Open GL ES 2.0
GPU 2D (Vector Graphics)	emulated on GPU 3D
GPU 2D (Composition)	Vivante GC320
	600Mpxl/s, BLIT
Video Decode	1080p30 + D1
Video Encode	1080p30 H.264
	BP / Dual 720p

Network

Network	10/100/1000 Mbps with POE function 802.3at
WiFi	Broadcom BCM4330 802.11bgn
Bluetooth	Broadcom BCM4330 BT 4.0

Power

Input Power Requirements	10~30V DC +/- 5%
Power over Ethernet (POE)	802.3at POE implementation (36~57VDC)
Power Consumption	7 Watt

Environmental and Mechanical

Temperature	Commercial : 0° to 60° C
Humidity	10 - 90%
Dimensions	184 (W) x 122 (H) x 30 (D) mm
MTBF	50,000 hours
Weight	720 grams
Shock	50G / 25 ms
Vibration	20G / 0-600 Hz
Certification	Compliant with CE, FCC, RoHS, REACh directives

Mounting Options

Rear Mounting   4 mounting clips required (included)
VESA Mounting   50*75 VESA MIS C. Standard (excluded)

Dimensional Drawing

all sizes in mm