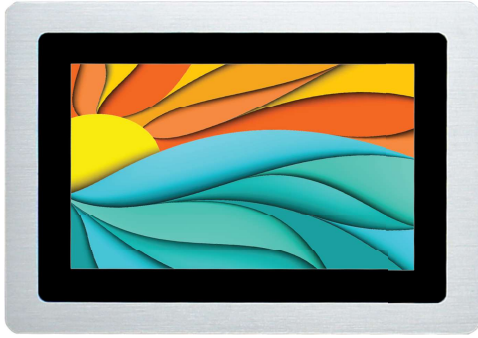


TEP0500-IMX6UL



Main Features

- Based around NXP i.MX6UL ARM Cortex-A7 technology.
- Projective Multi-touch bright (350 nits) high resolution (800 x 480) 5 inch panel.
- USB host, USB OTG Type-C, microSD, and 12 GPIO's.
- Available with brushed aluminum bezel .



Specifications

Core System

Processor	iMX6 UltraLite 528 MHz
PMIC	NXP PF3000
RTC	Maxim integrated DS1337S+
Memory	up to 2GB
Storage	Onboard eMMC

Connectivity

Network LAN	2x Micrel KSZ8081RNBCA 10/100 LAN
USB	1x USB 2.0 Host Connector 1x USB 2.0 OTG Type-C Connector
SD cardslot	1x microSD cardslot
Serial	4x Serial ports RS232
CAN Bus	2x Flex CAN version 2.0B Compliant
GPIO	12x GPIO
Buttons	1x Reset button 1x Boot select button (force SD card boot)
Power	2 pin Microfit Power Connector

Video

PXP	Image re-sizing, rotation, overlay and CSC Pixel Processing Pipeline
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Display and Touch

Internal Screen	5 inch widescreen LCD display with LED backlight
Resolution	800 x 480 pixels
Maximum Colors	16.7 million
Luminance	350 cd/m ²
Touchscreen	Projective Capacitive multitouch

Power Specifications

Input Voltage	Various Power configurations
Power Consumption	Depending on configuration

Operation Systems

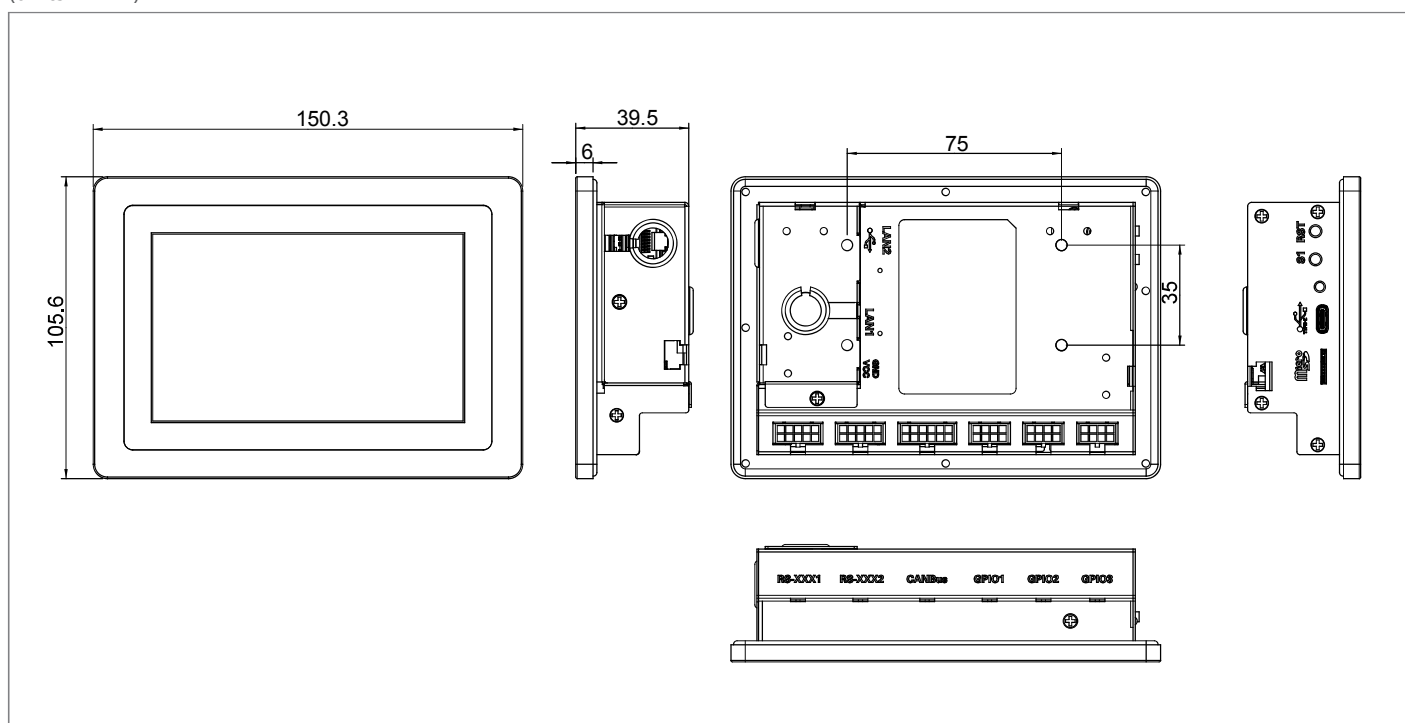
Standard Support	Linux, Yocto
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Distributed by:



Dimensions

(units in mm)



Environmental and Mechanical

Temperature	Commercial : 0° to 50° C
Humidity	10 to 90%
Dimensions	150(W) x 105(H) x 38(D) mm
MTBF	50,000 hours
Weight	550 grams
Shock	15 G, half-sine, 11 ms duration
Vibration	1 Grms, random 5-500 Hz, 1 ^{hr} /axis
Certification	Compliant with CE, FCC

Mounting Options

Rear Mounting	4 mounting clips required (included)
VESA Mounting	35*75 VESA MIS C. Standard (separate purchase)

Ordering Information

TEP0500-IMX6G-Rxx-Exx-xxxx

	Code	Description
Processor	IMX6G	i.MX6 UltraLite
Memory	R02	256 MB DDR3
	R05	512 MB DDR3
	R10	1GB DDR3
Storage	E04	eMMC capacity in Gigabyte
		E04 = 4GB : E08 = 8GB : E16 = 16G
Custom ID	XXXX	Custom Part number ID for customized software loader and special component (BOM)

* Feel free to contact us for custom tailored Carrier Board request for your projects.

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