

TWP-1560-IMX6



Main Features

- Designed with robust features to enable operation and convenient maintenance in production environments.
- TWP-1560-IMX6 is an IP69K waterproof panel PC based on a single/dual/quad core ARM Cortex-A9 NXP i.MX6 applications processor.
- 15.6 inch Projective Capacitive (multitouch) high resolution (1366 x 768), bright (300 nits) widescreen LCD with LED backlight.
- A range of off-the-shelf power, networking and expansion options.
- Stainless steel SUS304/SUS316L enclosure and bezel.

Specifications



Core System

Processor	NXP i.MX6 Solo NXP i.MX6 DualLite NXP i.MX6 Quad
Architecture	ARM Cortex-A9
PMIC	NXP MMPF0100
Memory	up to 2GB DDR3
Storage	eMMC (4GB Default)

Connectivity

Network LAN	1x Atheros AR8035 Gigabit LAN
Power over Ethernet	PoE function 802.3at (optional)

External Connectors

Network	1x 8-pin M12
USB	1x 8-pin M12 (2x USB 2.0 Host)
Serial	1x 8-pin M12 (1x RS-232)

Video

Video Decode	1080p30 + D1 (Solo/DualLite) 1080p60 H.264 (Quad)
Video Encode	1080p30 H.264 BP/Dual 720p

Display

LCD	15.6 inch widescreen LCD with LED backlight
Resolution	1366 x 768 pixels
Luminance	300 cd/m ²
Maximum Colors	16.7 million
Touchscreen	Projective Capacitive (multitouch)

Power Specifications

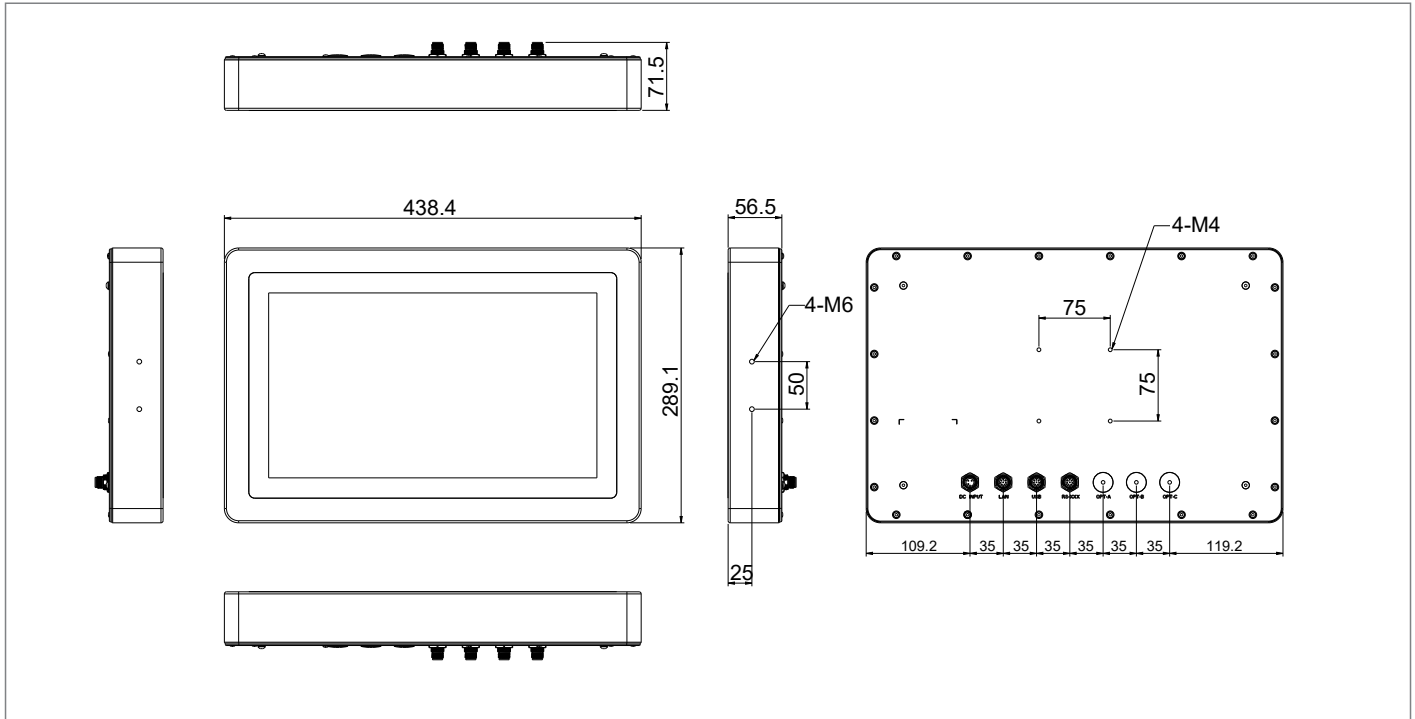
Power Input	Available with 12V 24V 8-36V (wide power input)
Power over Ethernet	PoE function 802.3at (optional)
Power Connector	3-pin M12
Power Consumption	Depending on Configuration

Operation Systems

Standard Support	Linux Yocto Ubuntu Android
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Dimensions

(units in mm)



Environmental and Mechanical

Enclosure Material	Stainless Steel
Front Bezel	Stainless Steel
IP Rating	IP69K
Dimensions	438 (W) x 289 (H) x 56 (D) mm
Weight	7100 grams
Temperature	Commercial: 0° to +50° C
Relative Humidity	10 to 90 %
MTBF	50 000 Hours
Shock	15G half-sine 11 ms duration
Vibration	1 Grms random 5-500Hz hr/axis

Modular Expansion Options

Power Expansion Module	TXB-P1-12V-LAN1 (12V 3A) TXB-P1-24V-LAN1 (24V 3A) TXB-P1-1030V-LAN1 (8-36V 5A) TXB-P1-12V-POE1 (12V 3A) or (PoE 802.3at)
I/O Expansion Module	TXB-I2-S2-C2-G8 2x RS-232 + 2x CAN + 8x GPIO

Mounting Options

VESA Mounting	75*75 VESA MIS-D Standard (separate purchase)
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M12-LAN-300

- M12 A-CODE 8-PIN FEMALE TO RJ45 LAN FEMALE CABLE
- CABLE LENGTH 300CM



M12-2USB-300

- M12 A-CODE 8-PIN FEMALE TO 2x USB 2.0 TYPE-A FEMALE CABLE
- CABLE LENGTH 300CM



M12-SERIAL-300

- M12 A-CODE 8-PIN FEMALE TO D-SUB 9-PIN SERIAL MALE CABLE
- CABLE LENGTH 300CM

Ordering Information

TWP1560-IMX6x-Rxx-Exx-Lxxx-XS20-xxxx

	Code	Description
Processor	IMX6S	NXP i.IM6Solo
	IMX6U	NXP i.MX6DualLite
	IMX6Q	NXP i.MX6Quad
Memory	R05	512MB DDR3
	R10	1GB DDR3
	R20	2GB DDR3
Storage	E04	eMMC capacity in Gigabytes E04 = 4GB / E08 = 8GB / E16 = 16GB E32 = 32GB / E64 = 64GB
	L112	TXB-P1-12V-LAN1 (12V 3A)
Power Expansion	L124	TXB-P1-24V-LAN1 (24V 3A)
	L130	TXB-P1-1030V-LAN1 (8-36V 5A)
	LPOE	TXB-P1-12V-POE1 (12V 3A) or (PoE 802.3at)
		2x RS-232 + 2x CAN + 8x GPIO
I/O Expansion	XS20	2x RS-232 + 2x CAN + 8x GPIO
Custom ID	XXXX	Custom Part number ID for customized Software loader and special component (BOM)

* Feel free to contact us for customization requests.

Cables

M12 Cables (separate purchase)