

TWP-1560-IMX6



- 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 Solo, DualLite, 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)

Expansion Interfaces

Expansion Slots	2x M.2 slot 2x mini-PCIe with SIM Card slot
-----------------	------------------------------------------------

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)

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)

Video

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

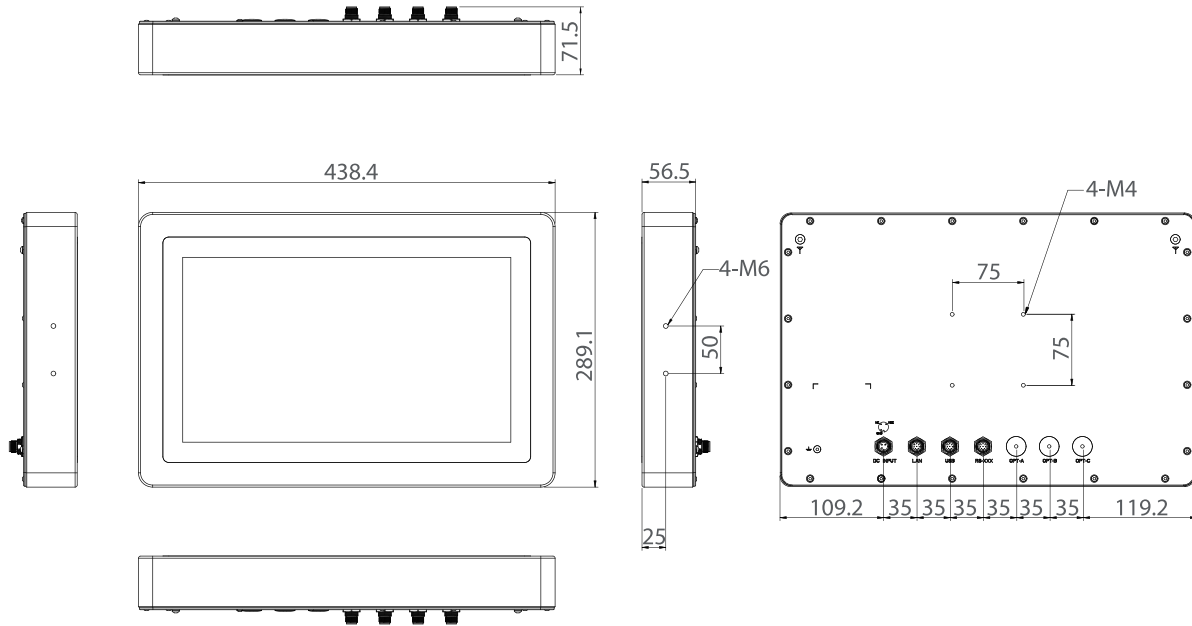
Power Specifications

Power Input	Available with 12V 9-36V (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 Android
------------------	---------------------------

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
Certification	Compliant with CE / FCC / RoHS / REACH directives

Modular Expansion Options

Power Expansion Module	TXB-P1-12V-LAN1 (12V 3A) TXB-P1-1030V-LAN1 (9-36V 5A) TXB-P1-12V-POE1 (12V 3A) or (PoE 802.3at)
------------------------	-------------------------------------------------------------------------------------------------------

Mounting Options

VESA Mounting	75*75 VESA MIS-D Standard (separate purchase)
Yoke Mounting	Yoke Standard 50mm (separate purchase)

Power Adaptor

DPS-65VB-M12
(separate purchase)

Cables

M12 Cables
(separate purchase)

Order Information

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

	Code	Description
Processor	IMX6S	NXP i.MX6 Solo
	IMX6U	NXP i.MX6 DualLite
	IMX6Q	NXP i.MX6 Quad
Memory	R10	512MB DDR3
	R05	1GB DDR3
	R10	2GB DDR3
Storage	E04	eMMC capacity E04=4GB / E16 = 16GB / E32 = 32GB / E64 = 64GB
	L112	TXB-P1-12V-LAN1 (12V 3A)
	L130	TXB-P1-1030V-LAN1 (9-36V 5A)
Power Expansion	LPOE	TXB-P1-12V-POE1 (12V 3A) or (PoE 802.3at)
	XXXX	Custom Part number ID for customized Software loader and special component (BOM)