VP101-M8M

NXP i.MX 8M Dual/Quad Cortex
ARM-Based In-vehicle Touch Panel PC

KEY FEATURES

ARM-Based System
Support Android 9.0 and Linux

IP Rating
IP65 Front Panel Protection

Rich I/O Connectivity
1 GbE, 4 COM, 1 CAN Bus, 2 USB 3.1 Gen1

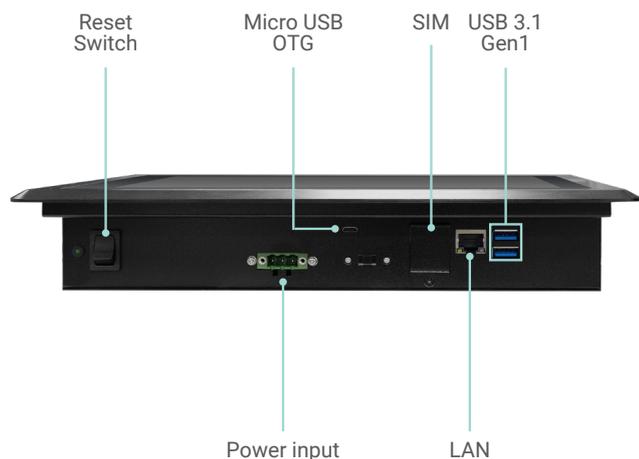### Superior Viewing Ability
High Brightness 1000 cd/m^2

Smart Power Ignition Control
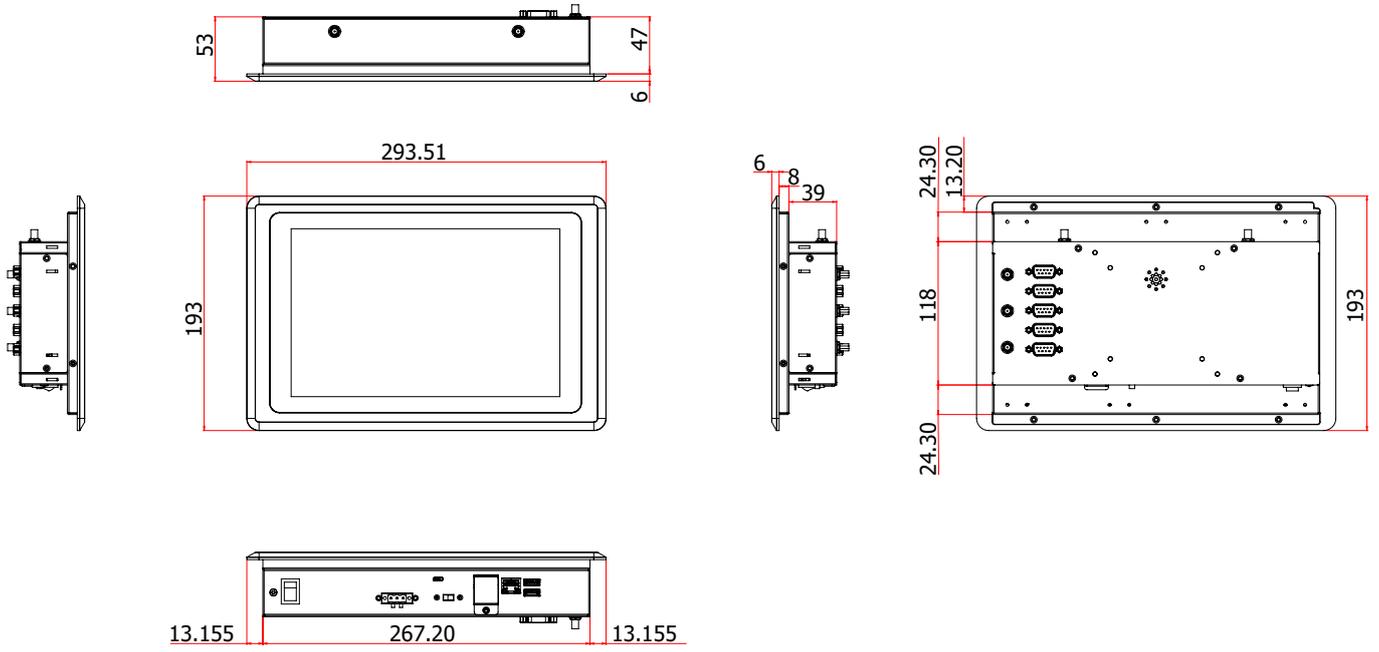Power delay and protection time setting

FC CE RoHS UKCA E24

PANEL

Reset Switch | Micro USB OTG | SIM | USB 3.1 Gen1

Power input | LAN

Bottom View

COM

CAN Bus

Back View

DIMENSIONS

SPECIFICATION

SYSTEM	Processor	NXP i.MX 8M Dual/Quad Cortex-A53
	Max. Speed	1.3GHz
MEMORY	Technology	On board Memory 2GB/4GB (Default 2GB) Single Channel LPDDR4 up to 3200 MHz
DISPLAY & TOUCH SCREEN	Display	10.1" PCAP TFT
	Max. Resolution	1280 x 800
	Brightness	1000 cd/m² 500 cd/m²
STORAGE	Internal	Support eMMC 5.1 16GB on board (default) Support up to 64GB (optional)
EXPANSION	Interface	1 M.2 2242/3042 B Key (USB3.1 Gen1),Nano SIM Slot support 1 M.2 2230 E Key (PCIe x1/USB2.0)
AUDIO	Audio Codec	SGTL5000
	Speaker	3W x 1
ETHERNET	Controller	AR8035
SENSOR	Sensor	6 axis IMU (3 Accelerometer + 3 Gyroscope)
LED	Indicators	Power
I/O	Ethernet	1 x GbE
	Serial	1 x RS-232/422/485 3 x RS-232 1 x CAN Bus
	USB	2 x USB 3.1 Gen1 1 x OTG, micro USB
	Buttons	1 x Reset switch, 1 re-download switch
POWER	Type	9~36V DC Power input, with ACC/IGN control
OS SUPPORT	Linux	Yocto 2.5 (optional)
	Android	Android 9.0 (default)
MECHANISM	Construction	Aluminum + SGCC
	IP Rating	IP65 Front Panel Protection
	Mounting	Panel Mount /VESA Mount
	Dimensions (W x H x D)	294 x 193 x 53 mm
	Weight	1.67kg
ENVIRONMENT	Operating Temp.	-20 to 70°C
	Storage Temp.	-30 to 80°C
	Relative Humidity	10 to 90% RH (non-condensing)
STANDARDS AND CERTIFICATIONS	Shock	OP: Half-sine, 3G @ 11ms Non-OP: Half-sine, 5G @ 11ms
	Vibration	OP: Random, 1Grms @ 5~500Hz, 30min Non-OP: Sweep sine, 3Grms @ 10~500Hz, 30min
	Certifications	CE, FCC, E-Mark R10, RoHS, UKCA (ongoing)