



MTA-3088

8" RISC-based Panel PC

- Rockchip PX30 Quad-core Cortex-A35 up to 1.5GHz
- Built-in CAN 2.0b and FD to support fleet management applications
- 8M front camera for in-vehicle surveillance
- Multiple I/O including LAN, USB 2.0, and RS-232 support
- Ruggedized design with front bezel IP65 rating
- Support Linux and Android



System

CPU	Rockchip PX30, Quad-core Cortex-A35 up to 1.5GHz
OS	Android 8, Linux Yocto
Memory	2GB DDR4 memory soldered on board
Flash	16GB eMMC flash soldered on board

Peripherals and Devices

Front Camera	1x8MP resolution CMOS MIPI-CSI Type AF camera module
Audio	1 x built-in speaker (2W) 1 x built-in microphone

Wireless

WWAN	Mini PCIE interface WCDMA / CDMA / TDSCDMA / LTE (optional)
WLAN	IEEE 802.11 a/b/g/n
Bluetooth	BT4.0 low power BLE
NFC	1 x 13.56MHz RFID & NFC reader with ISO 14443A/B, 15693, felica

I/O Interface

SD Card	1x MicroSDHC/microSDXC/microSD (Max.128GB) card socket
USB	2 x USB 2.0 Type-A port 1 x OTG micro USB 2.0
Speaker	1 x 8Ω/2W

DB9 Interface	1 x RS-232/422/485 COM port; 1 x RS-232 COM port
LAN	1 x RJ-45 Ethernet, 10/100Mbps
Power	Toggle switch, on/off switchable
CAN	CAN 2.0B and CAN FD
DIO	3 x DI, 3 x DO (dry contact)

LCD Display

Size/Type	8" TFT LCD
Resolution	1024 x 600
Technology	High definition
Brightness(cd/m ²)	300 cd/m ²
Contrast Ratio	500:1(Typ.)
Interface	LVDS Type
View Angel (A/B/R/L)	20°/45°/45°/45° typ.

Touch

Type	10-point Projected Capacitive multi-touch
Interface	12C

Power Input

DC Input	3-pin terminal block 9V~36V auto-detection
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Mechanical & Environmental

Ingress Protection Front panel IP65

Vibration 1 Grms/5~500Hz/random operation

Operating Temp. -20°C ~ 70°C (-4°F ~ 158°F)

Storage Temp. -20°C ~ 70°C (-4°F ~ 158°F)

Dimensions (W x H x D) 218.16 x 162.67 x 46.5mm (W x H x D)

Weight TBD

Regulatory CE, FCC, CCC

Installation

VESA Mount 75mm x 75mm

Ordering Information

MTA-3088 8" Risc-based Panel PC with Rockchip PX30 Quad-core Cortex processor, front camera, WLAN and Bluetooth

Dimensions

