



IOT-800N-G420

8" Android Panel PC

Powered by **MEDIATEK**



Features

- MediaTek Genio 420 Octa-Core SoC, 2 x Cortex A78 (1.8GHz) + 6 x Cortex A55 (1.6GHz)
- Built-in CAN bus w/ FMS
- 13M front camera for in-vehicle surveillance
- Supports multiple I/O including LAN, USB 2.0, and RS-232
- Supports Android 16

System

Processor	MediaTek Genio 420 MT8371LV
Architecture	MT8371LV 2 x Cortex A78(1.8GHz) + 6 x Cortex A55(1.6GHz)
Memory	4GB LPDDR5 SDRAM
Storage	64GB UFS
GPU Core	Mali-G57 MC2
Operating System	Android 16
Front Camera	1 x 13MP MIPI-CSI camera
Microphone	2 x built-in microphone
Speaker	1 x built-in speaker

Wireless Connectivity

WLAN	IEEE 802.11 ac/a/b/g/n/ax
Bluetooth	Bluetooth 5.3
NFC	NFC Reader
GPS	GPS/Glonass/Beidou/Galileo/NavIC/QZSS

I/O Interface

USB	2 x USB 2.0 Type-A port 1 x Type-C USB 3.0
DB9 Interface	1 x RS-232/422/485 COM port
Ethernet	10/100/1000Mbps Ethernet via RJ-45 or M12 (switchable)
MicroSD	Max. 1TB
DIDO	3 x DI, 3 x DO (dry contact), CAN bus w/FMS Feature
Audio	Line out via Phoenix push-in 3-pin connector
Power	Power Button

LCD Display

Resolution	1280 x 720
Size/Type	8" IPS LCD w/ AG
Brightness (cd/m ²)	450 cd/m ²
Contrast Ratio	1000:1(Typ.)

Touch Screen

Type	Multi-point Projected Capacitive
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Power Requirement

Power Input	Built in ignition detection
DC Input	3-Pin terminal block 9 ~ 36V Auto detection

Mechanical & Environmental

Booting Temp.	-20 ~ 70°C (-4 ~ 158°F)
Storage Temp.	-30 ~ 80°C (-22 ~ 176°F)
Operating Humidity	10 ~ 95%
Protection Level	Front face compliant with IP-54 & IK-05
Dimensions (W x H x D)	218.16 (W) x 162.67 (H) x 46.5 (D) mm
Weight	940g (2.07lb)

Qualification

Certification	CE, FCC, E-Mark, UNR118 (BUS) & UNECER10 Rev6
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Installation

VESA Mount	75 mm x 75 mm
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Ordering Information

IOT-800N-G420	1 x 8" Android Panel PC, 13MP Front camera, WLAN, NFC, and Bluetooth; 1 x Accessory Kit
IOT-800N-G420 LTE	1 x 8" Android Panel PC with Global LTE Module; 1 x Accessory Kit LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE-TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B6/B8/B19 GSM/EDGE: Quad-band

Dimension

