

AMOBILE

Powered by

MEDIATEK

IoT-800N-G420

Key Benefit

Connecting Intelligence at the Edge



IoT-READY PLATFORM

Real-time Data
Cloud Connectivity



RUGGED & RELIABLE

Wide Voltage
IP65 Rated



RICH I/O EXPANSION

CAN / USB
DIO / GPIO



OPERATIONAL SAFETY

DIO Isolation
Data & Ignition
Protection



ALWAYS CONNECTED

4G LTE / Wi-Fi 5
Bluetooth 5.1 / NFC



4G LTE



Wi-Fi 5



GPS



Bluetooth 5.1



NFC



PASSENGER SERVICES

PIS / Ticketing /
NFC Payment



SAFETY & MONITORING

DVR / Thermal Imaging /
Status Monitoring

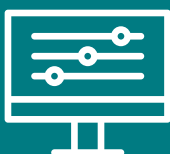


VEHICLE INTEGRATION

OBD-II / Ignition /
Digital I/O /
RS-232/422/485



Ticketing



Fleet Monitoring



Driver Safety



Vehicle Control



IOT-800N-G420

8" Android Panel PC

Features

- MediaTek Genio 420 Octo-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
- Support multiple I/O including LAN, USB 2.0 and RS-232
- Supports Android 16



LCD Display

Resolution 1280x720

Size/Type 8" IPS LCD w/ AG

Brightness (cd/m²) 450 cd/m²

Contrast Ratio 1000:1(Typ.)

System

Processor MediaTek Genio 420 MT8371LV

Architecture MT8371LV 2 x Cortex A78(1.8GHz) + 6 x Cortex A55(1.6GHz)

Operating System Android 16

Memory 4GB LPDDR5 SDRAM

Storage 64GB UFS

GPU Core Mali-G57 MC2

Wireless Connectivity

WLAN IEEE 802.11 ac/a/b/g/n/ax

Bluetooth Bluetooth 5.3

NFC NFC Reader

GPS GPS/GLONASS/Galileo/BeiDou/NavIC/QZSS

I/O Interface

USB 2 x USB 2.0 Type-A port
1x 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)

Micro SD Max. 1TB

DIDO 3 x DI, 3x DO (dry contact), CAN bus w/ FMS Feature

Audio Line out via Phoenix push-in 3-pin connector

Power Power Button

Touch Screen

Type Multi-point Projected Capacitive

Power Input

Power Input Built in ignition detection

DC Input 3-Pin terminal block
9~36V Auto detection

Mechanical & Environmental

Front Camera 1x 13MP MIPI-CSI camera

Microphone 2 x built-in microphone

Speaker 1 x built-in speaker

Booting Temp. -20°C ~ 70°C

Storage Temp. -30°C ~ 80°C

Operating Humidity 10% ~ 95%

Protection level Front face compliant with IP-54 & IK-05

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

Weight 940g (2.07lb)

Certification

Regulatory CE, FCC, E-Mark, UNR118 (BUS) & UNECER10 rev6

Installation

VESA Mount 75mm x 75mm

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

Dimensions



Ordering Information

Part No.	Description
IOT-800N-G420	1 x 8" Android Panel PC, 13MP Front camera, WLAN, NFC, and Bluetooth ; 1 x GPS Antenna 1 x WiFi Antenna

SMART MOBILITY APPLICATIONS

One Platform. Multiple Possibilities.

Purpose-built solutions for connected transportation, fleet operations and public safety.



SMART BUS & PUBLIC TRANSPORTATION

PIS, vehicle status and seamless e-ticketing.



PUBLIC TRANSIT DRIVER CONSOLE

Route guidance, driver information and fleet dispatch.



DRIVER SAFETY & ASSISTANCE

DMS and ADAS integration for safer journeys.



FLEET TELEMATICS & DISPATCH

Real-time tracking, diagnostics and cloud reporting.



SMART LOGISTICS & WAREHOUSE FLEET

Rugged operations for logistics, inventory and safety.



INDUSTRIAL SAFETY & THERMAL MONITORING

Thermal inspection, alarms and predictive maintenance.



SMART PARKING & E-TICKETING

QR/barcode tickets and secure cashless payment.



PUBLIC SAFETY & EMERGENCY

Live communication, video streaming and rapid response.



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More Product Details



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Sales Consultation



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Product Overview

