AMOBILE Powered by MEDIATEK

IoT-800N-G420

Key Benefit

Connecting Intelligence at the Edge

IoV-READY PLATFORM
Real-time Data
Cloud Connectivity

RUGGED & RELIABLE
Wide Voltage
IP54 Rated

RICH I/O EXPANSION
CAN / USB / DIO

OPERATIONAL SAFETY
DIO Isolation
Data & Ignition Detection

ALWAYS CONNECTED
4G LTE (Optional) / NFC
Wi-Fi 6 / Bluetooth 5.4

4G LTE (Optional) | Wi-Fi 6 | GPS | Bluetooth 5.4 | NFC

PASSENGER SERVICES
PIS / Ticketing /
NFC Payment

VEHICLE INTEGRATION
Ignition /
Digital I/O /
RS-232/422/485

Ticketing | **Fleet Monitoring** | **Driver Safety** | **Vehicle Control**

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Connecting Intelligence at the Edge

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
Archtecture	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	
WWAN	4G LTE (Optional)
Wi-Fi	Wi-Fi 6
WLAN	IEEE 802.11 ac/a/b/g/n/ax
Bluetooth	Bluetooth 5.4
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)
Mirco 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
Microphonre	2 x built-in microphone
Speaker	1 x built-in speaker
Booting Temp.	-20°C ~ 70°C
Storage Temp.	-30°C ~ 80ºC
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

Connecting Intelligence at the Edge

Dimensions

1 RJ45
2 Switch (RJ45&M12)
3 M12
4 USB Type A x2
5 RS232
6 USB 3.0 Type C
7 Power Button
8 Line-out Terminal
9 SIM Card
10 MicroSD
11 Camera
12 GPS
13 WiFi
14 WWAN
15 Digital IO
16 DC Power Input

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

All specifications are subject to change without notice.Last update: Oct.14.2026

SMART MOBILITY APPLICATIONS

One Platform. Multiple Possibilities.

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

SMART BUS & PUBLIC TRANSPORTATION

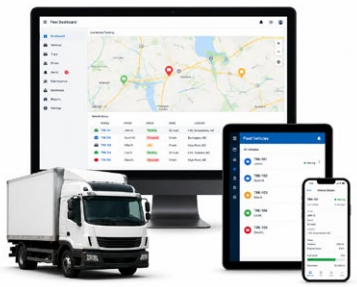
PIS, vehicle status and seamless e-ticketing.

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.

EXPLORE PRODUCTS

More Product Details

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Sales Consultation

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Product Overview