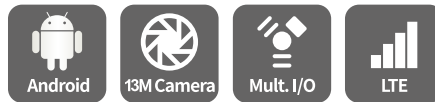




Features

- 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/m ²)	450 cd/m ²
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 LPDDR5X 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)
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
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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
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Installation

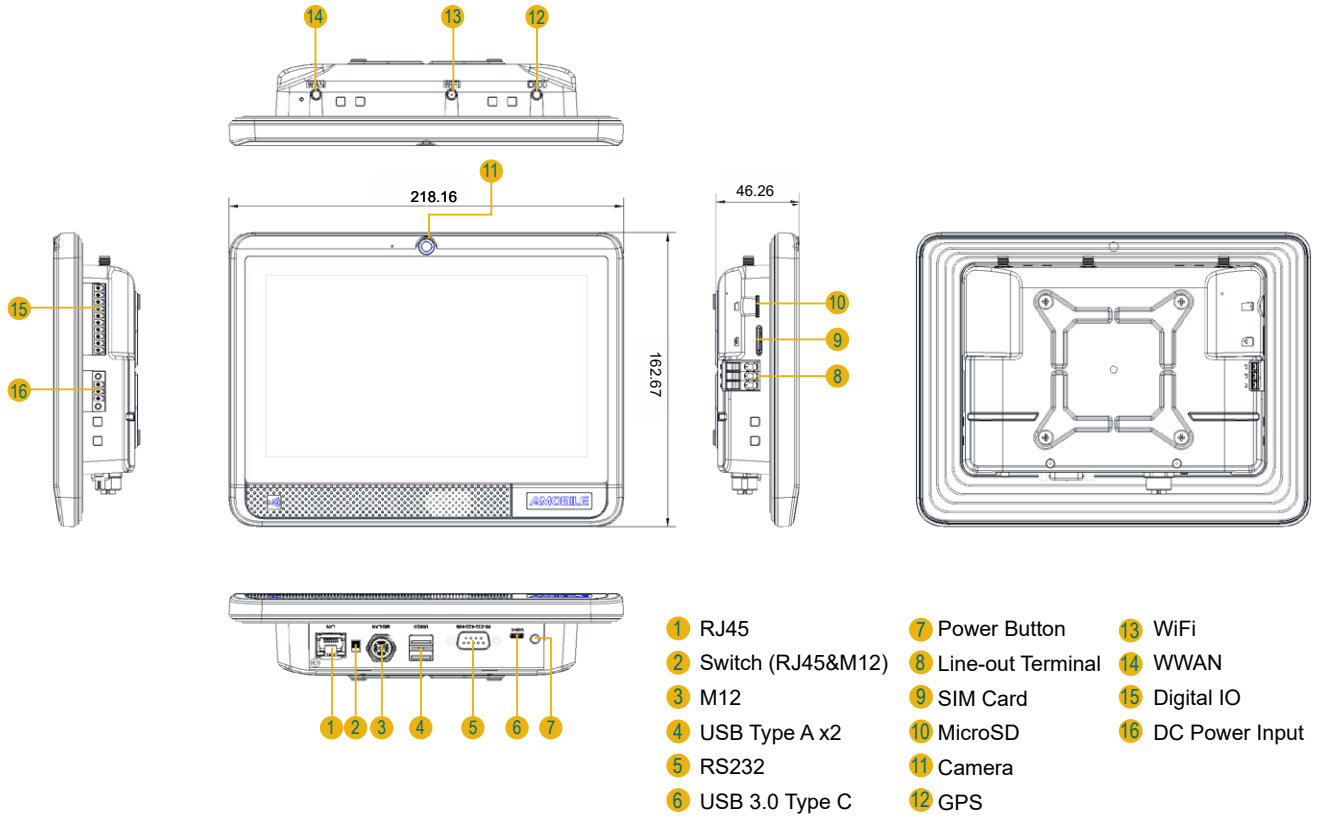
VESA Mount	75mm x 75mm
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Ordering Information

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



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

All specifications are subject to change without notice. Last update: APR/16/2026

