



AGP Vision 10

Technical specifications. v.1.0



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Specifications

CPU	Qualcomm Cortex-A53 64-bit Octa-core processor 1.8 GHz
GPU	Adreno 506
Operating System	Android 9.0
RAM	4GB
Storage 64GB eMMC	
Storage	
Expansion	Micro SD Card 128G
LCD	10 Inch Digital IPS Panel (1280 x 800) 1000 cd/m ²
Touchscreen	Multi touch capacitive touchscreen supporting glove and rain mode
Audio	Integrated microphone
	Integrated speaker 2W
	3.5 mm stereo headphone jack
Bluetooth	2402 MHz~2480 MHz Integrated Bluetooth 4.2 LE + EDR class 2, with HID, A2DP, AVRCP, BIP, BPP, FTP, HFP, HSP, OPP, SPP supported
WLAN	802.11 a/b/g/n/ac 2.4 GHz&5 GHz
WWAN EU Version EMEA/Korea/Thailand	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28 LTE TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B8 GSM: 850/900/1800/1900MHz
Data Transmission	LTE Cat 6 FDD: Max 300 Mbps (DL)/Max 50Mbps (UL) Cat 6 TDD: Max 265 Mbps (DL)/Max 35Mbps (UL)

	UMTS DC-USDPA: Max 42 Mbps (DL) DC-HSUPA: Max 11.2 Mbps (UL) WCDMA: Max 384 Kbps (DL/UL)
GNSS	GPS 1575.42 MHz±1.023 MHz
	GLONASS 1597.5 MHz~1605.8 MHz
	BeiDou 1561.098 MHz±2.046 MHz
Sound	Build-in speak 2W, 85 dB
Interfaces	Type-C, Compliant with USB 3.0 (For data transfer support OTG)
	Docking connector x1 (pogo pin ×24)
	3.5 mm headphone jack
Sensor	Acceleration sensors, Ambient light sensor, Gyroscope, Compass
Power	DC 8-36 V (ISO 7637-II compliant)
	Battery 3.7V, 8000 mAh Li-ion (Replaceable)
	Battery Operating time about 4 hours (typical)
	Battery charging time about 6 hours
Physical Dimensions	277×185×31.6 mm
Weight	1357 g
Environment	Gravity drop resistance test: 150 cm
	Vibration test: MIL-STD-810G
	Dust resistance test: IP6×
	Water resistance test: IP×7
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	Operating temperature: -10°C ~65°C / 0°C~55°C(charging)
	Storage temperature:-20°C~70 °C
All in one Cable	USB2.0(type-A)

	RS232 × 2
	Status × 1
	ACC × 1
	power × 1
CANBUS	CAN 2.0 b (optional)
	J1939(optional)

Implemented functionalities

General

Data send	Normal: 50 seconds When Cell coverage available
Back up	Normal: 80 hours Depends on configured parameters and sampling rates
Updates	USB Over the air
Main settings configuration	USB Over the air

Status information link

This information is collected and sent when the vehicle engine is switched on.

GNSS and system parameters	Speed
package	Heading
	Latitude

				Longitude		
				Altitude		
				GPS fix		
				Inputs		
				Device battery voltage		
				Power in voltage		
				Vibration level		
				GSM coverage level		
				Accumulated time		
				Accumulated distance		
				System diagnostics information		
Bluetooth package	tags	parameters		Tag id		
				Estimated distance to the tag		
External parameters package	(CANBUS, RS232)			Parameters Id's		
				Parameters values		
Sampling rate						
Configurable						
Normal: 10 seconds						
Maximum: 2 seconds						
Sampling rate switch				Configurable double sampling rate		

Heartbeat

This information is collected and sent if the modem is powered (stand-by).

Status parameters package	Speed
	Heading
	Latitude
	Longitude
	Altitude
	GPS fix
	Inputs
	Device battery voltage
	Power in voltage
	Vibration level
	GSM coverage level
	Accumulated time
	Accumulated distance
	System diagnostic information

Sampling rate	Configurable
	Normal: 2 hours

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