7" RUGGED IN-VEHICLE TABLET

Android 12 • Strong Compatibility • Mobile Device Management

It is a 7 inch rugged and feature-rich tablet which is equipped with Quad-core A53 64-bit processor, its main frequency supports up to 2.0G. Powered by Android 12 system, it has powerful performance and rich multimedia functions. The built-in of GNSS, 4G, WIFI, Bluetooth etc. wireless modules makes it easier to be used in various IoV and IoT application.

FEATURES

Android 12

Powered by new Android 12 system, its superior performance brings users a brand new experience.

Real-time Communication

Built-in Wi-Fi/ Bluetooth /GNSS/4G functions making tracking and management of device status easier.

Strong Compatibility

With rich interfaces of RS232, CAN Bus, RS485, GPIOs etc., customizable to meet different needs from users.

Wide Application Field

Rugged IP67 design and 800 nits high brightness screen guarantee the application in varieties of harsh environments, suitable for vehicle, logistics, security and other industries.

Mobile Device Management

Integrated with MDM management software, supporting device management, remote control, mass deployment and upgrade etc.

ISO 7637-II

ISO 7637-II standard transient voltage protection Withstand up to 174V 300ms car surge impact DC8-36V wide voltage power supply

Customized Service

Support system customization and user applications development.

Reliable technical support

Experienced R&D team with effective technical support.

SPECIFICATIONS

SYSTEM	CPU	Qualcomm Cortex-A53 64-bit Quad-Core Process 2.0 GHz
	OS	Android 12
	GPU	Adreno TM 702
STORAGE	RAM	LPDDR4 3GB/4GB (optional)
	ROM	eMMC 32GB/64GB (optional)
DISPLAY	LCD	7 Inch IPS Panel, 1280 x 800, 800 nits
	Screen	Multi-point Capacitive Touch Screen
AUDIO	Microphone	Integrated
	Speaker	2W
COMMUNICATION	GNSS	NA version: GPS/BeiDou/GLONASS/Galileo
		NavIC, L1 + L5; Internal Antenna
		EM version: GPS/BeiDou/GLONASS/Galileo
		Internal Antenna
	2G/3G/4G — US Version	LTE FDD: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B66/B71
		LTE TDD: B41
	2G/3G/4G — EU Version	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28
		LTE TDD: B38/B40/B41
		WCDMA: B1/B2/B4/B5/B8
		GSM/EDGE: 850/900/1800/1900 MHz
	2G/3G/4G — JP Version	LTE-FDD:B1/B3/B5/B8/B11/B18/B19/B21/B26/B28
		LTE-TDD:B41
		WCDMA:B1/B6/B8/B19
	WIFI	802.11a/b/g/n/ac; 2.4GHz&5GHz
	Bluetooth	2.1 EDR/3.0 HS/4.2 LE/5.0 LE
	NFC(optional)	Supports Type A,B, FeliCa, ISO15693 etc.
SENSOR	Integrated	Acceleration, Gyro sensor, Compass, Mambient , Light Sensor

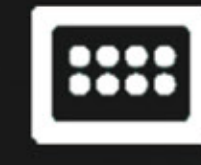|		
INTERFACE	Type -C	(can not be used simultaneously with USB Type-A on the device)
	Micro SD Slot	1 x Micro SD card, Support up to 512G
	SIM Socket	1 x Micro SIM Card slot
	Ear Jack	Standard 3.5mm earphone connector
	Docking Connector	POGO PIN x24
CAMERA	Front	5.0 megapixel camera (optional)
	Rear	Rear: 16.0 megapixel camera (optional)
POWER SUPPLY	Power	DC 8-36V
	Battery	3.7V, 5000mAh battery
ENVIRONMENTAL RELIABILITY	Drop Reststance	1.2M
	IP Rating	IP67
	Vibration Test	MIL-STD-810G
	Operating Temperature	-10°C ~ 65°C (14°F ~ 149°F)
	Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)

DOCKING STATION

Security Lock
Hold the top of tablet tightly and easily

Screw Holes
M4 hole sizes RAM mount compatible
1.912" RAM mount compatible
(AMPS holes)
75mm VESA mounting support

Rich Interfaces
CAN BUS（J1939,OBD-II）, RS232,
GPIO, etc.
Support customized interfaces
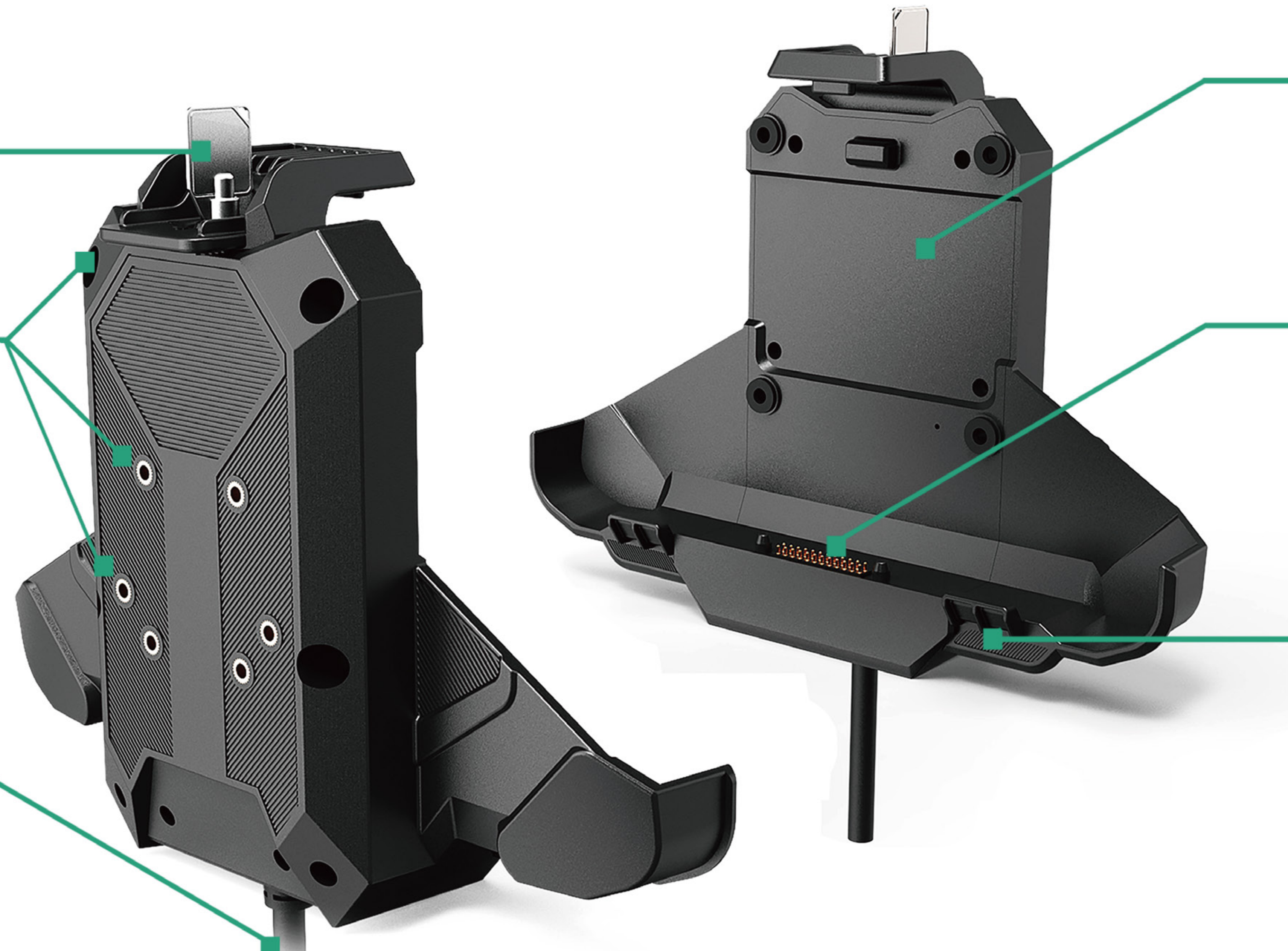Suitable for customer application needs

ELD Mandate
SAE J1939 / OBD-II protocols bulit-in
7 days data uninterrupted recording

Pogo Pins
Reliable electrical connection in rigorous
environments
Data real-time synchronous storage
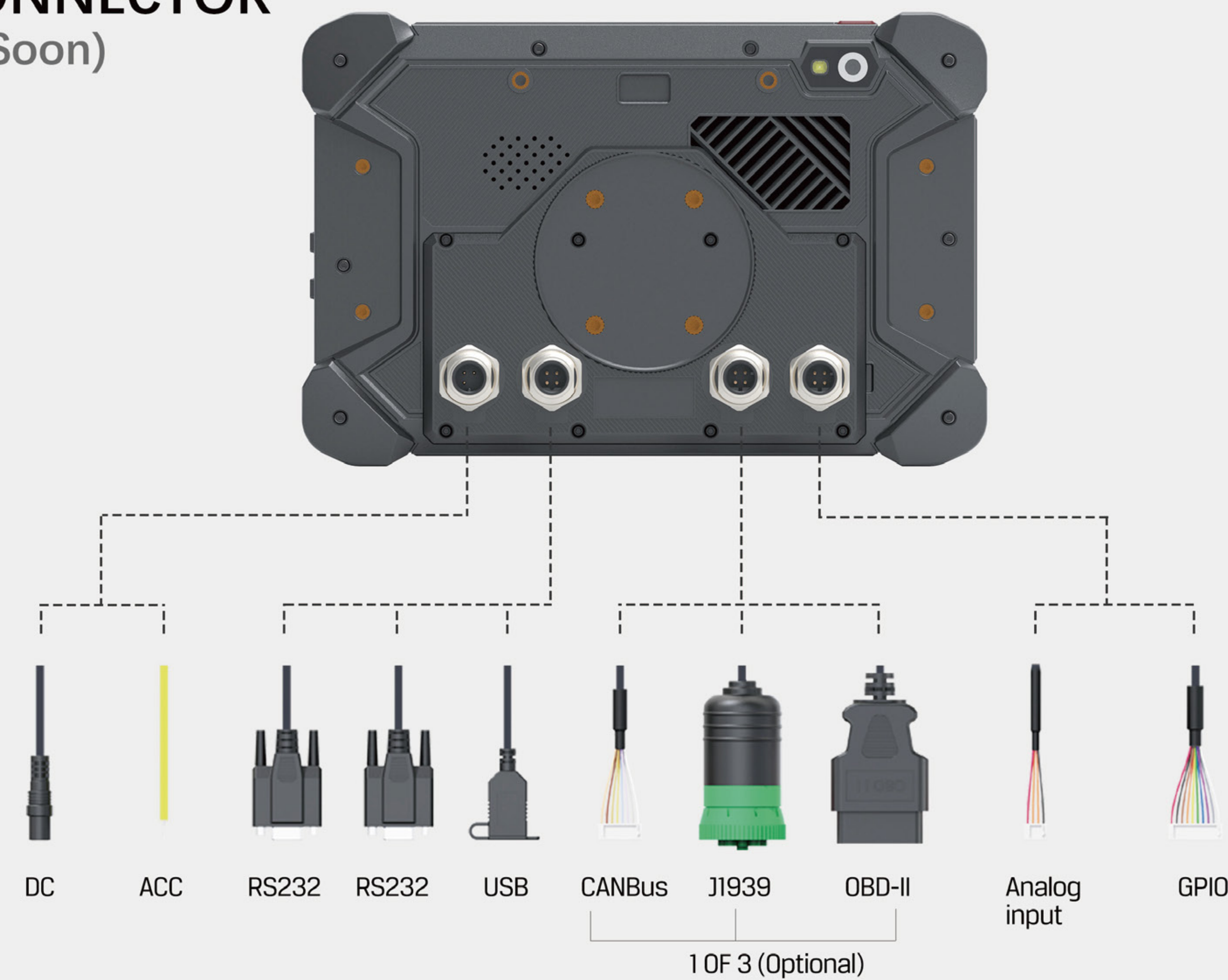Device portable for roadcheck

Paw Mechanism
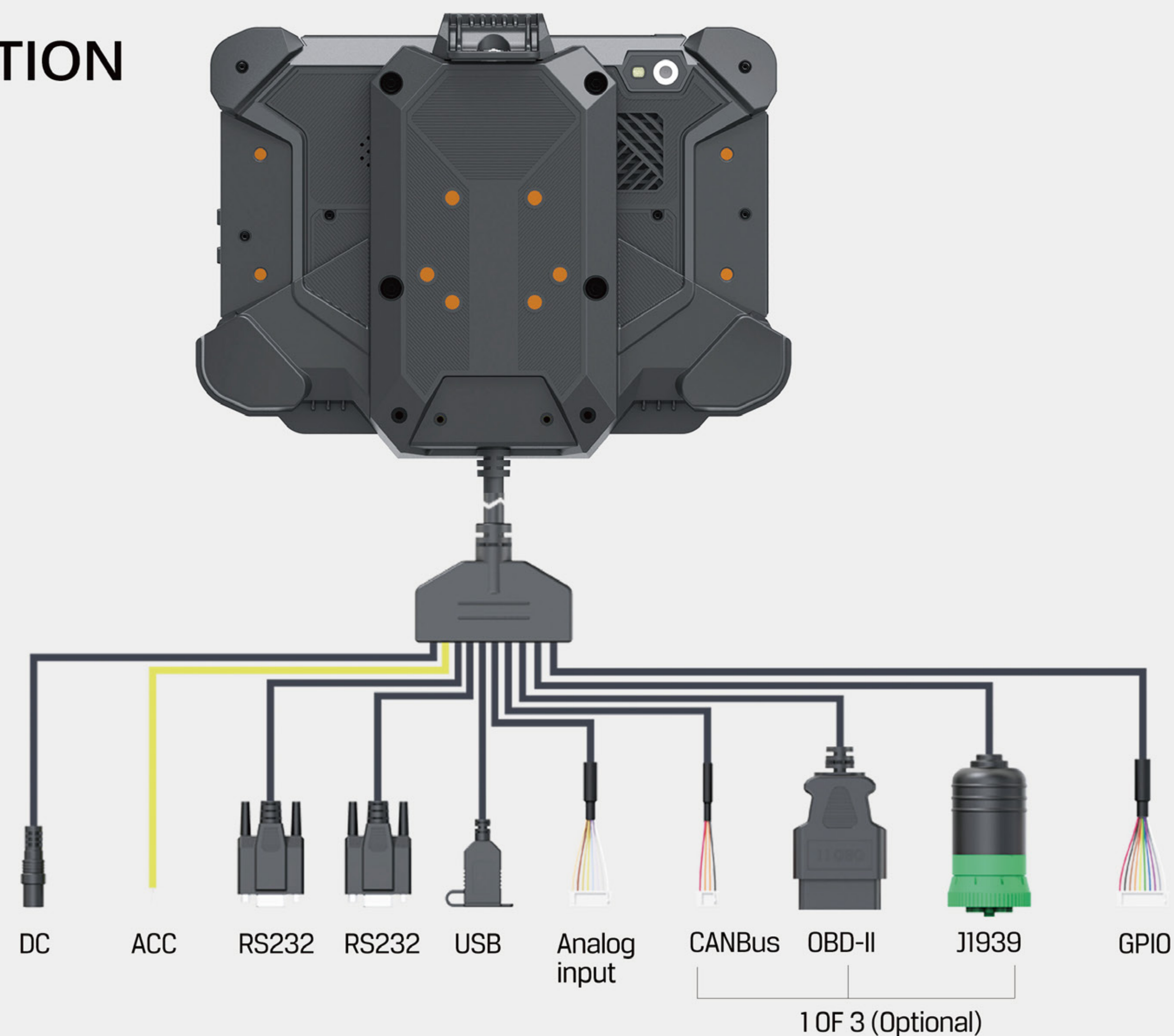Prevent skidding and falling off

INTERFACE

Different industires have different application needs. There are three different interface expansion forms, which can provide customers with different data communication interfaces including RS232, USB, CANBUS, J1939, OBD-II and so on.
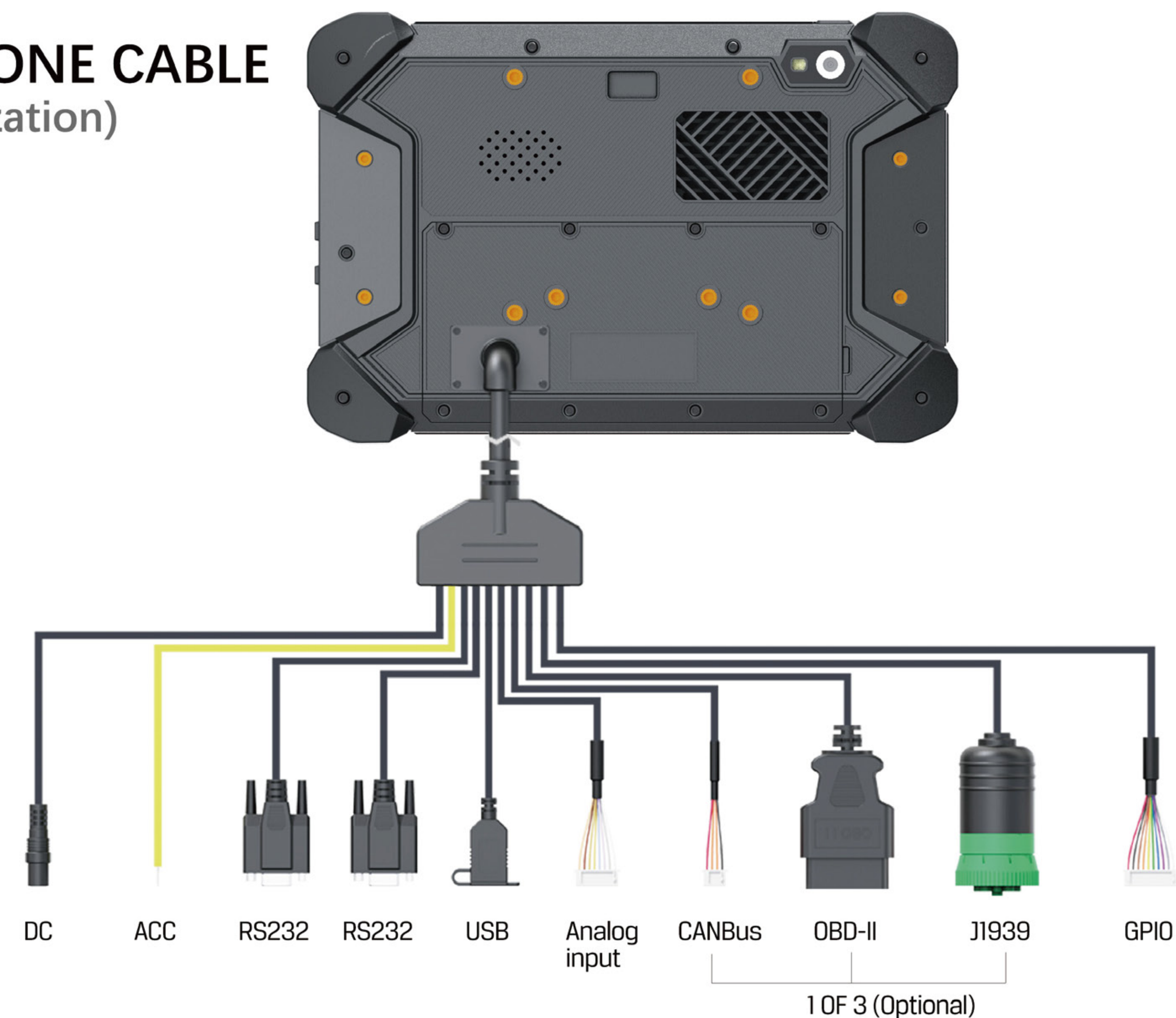
M12 CONNECTOR
(Coming Soon)

DC | ACC | RS232 | RS232 | USB | CANBus | J1939 | OBD-II | Analog input | GPIO

1 OF 3 (Optional)

DOCKING STATION

DC | ACC | RS232 | RS232 | USB | Analog input | CANBus | OBD-II | J1939 | GPIO

1 OF 3 (Optional)

ALL IN ONE CABLE
(Customization)

DC | ACC | RS232 | RS232 | USB | Analog input | CANBus | OBD-II | J1939 | GPIO

1 OF 3 (Optional)

DOCKING STATION

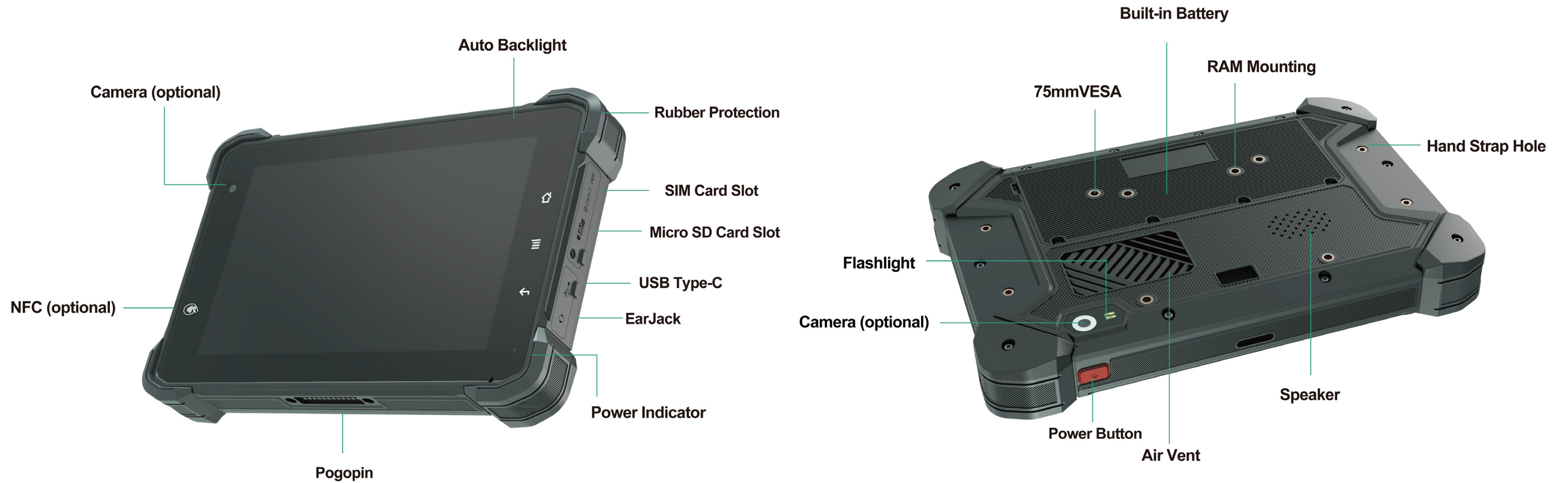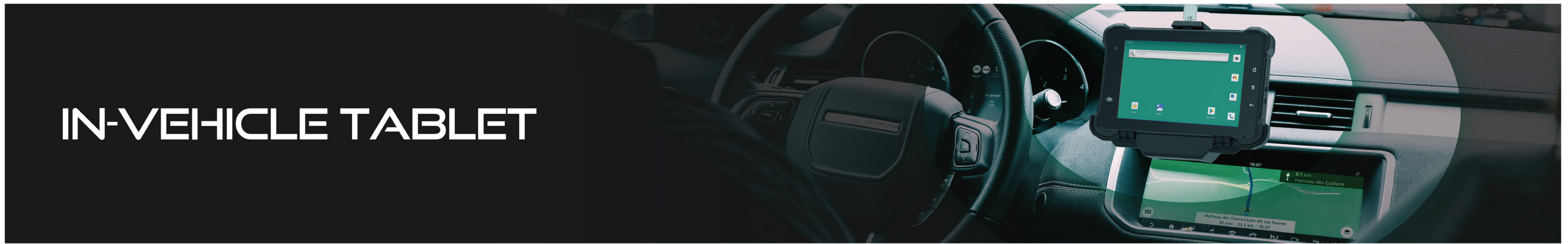|	Standard version	CAN BUS version	SAE J1939 version (COMING SOON)	OBD-II version (COMING SOON)
PICTURE	OPTIONAL ▶			
PROTOCOL	Tablet connected to OBD-II Scanner by Bluetooth. ■ The OBD-II Scanner built in related chips supporting SAE J1939 or OBD-II protocols, with built-in memory storage can save engine data for up to 7 days.	Docking Station built in CAN Bus complied with ISO 11898 Standard. ■ Support CAN protocol specification version 2.0 part A, B. ■ CAN baudrate from 10K to 1Mbps.	Docking Station built-in SAE J1939 protocol. Portable for Road Check with Wire data synchronization and transmission. Compliant with multiple HOS Rules (FMCSA) including Property/Passenger 60-hour /7-day &70-hour/ 8-day. ■ Support SAE J1939, SAE J1708 Heavy Duty ■ Support ISO 15765 and CAN bus user protocols ■ Support 250KBit/s, 500KBit/s	Docking Station built-in OBD-II protocol . Portable for Road Check with Wire data synchronization and transmission. Compliant with multiple HOS Rules (FMCSA) including Property/Passenger 60-hour /7-day &70-hour/ 8-day. OBD-II Port with baud rate from 38 bps to 10 Mbps ■ Support for all legislated OBD-II protocols ■ ISO 15765-4 (CAN) ■ ISO 14230-4 (Keyword Protocol 2000) ■ ISO 9141-2 (Asian, European, Chrysler vehicles) ■ SAE J1850 VPW (GM vehicles) ■ SAE J1850 PWM (Ford vehicles) ■ Support for non-legislated OBD protocols ■ ISO 15765 / ISO 11898 (raw CAN)
RS232	2x RS232			
CANBUS	\	1x CANBUS 2.0b	1x J1939	1x OBD-II
ANALOG INPUT	\	1x analog input (MAX 30V)		
USB TYPE-A	1x USB2.0 (can not be used simultaneously with USB Type-C on the device)			
GPIO	GPIO× 3 Input, GPIO× 3 Output			
ACC	x 1 (0~30V)			
POWER	12/24V car power system (8-36V DC input, ISO 7637-2 compliant)			
ENVIRONMENT	Operating: -10℃ ~ 65℃ (14°F ~ 149°F), Storage temperature: -20 ~ 70℃ (-4°F ~ 158°F), 0 ~ 95% (humidity)			

IN-VEHICLE TABLET

Auto Backlight

Camera (optional)

Rubber Protection

SIM Card Slot

Micro SD Card Slot

USB Type-C

NFC (optional)

EarJack

Power Indicator

Pogopin

Built-in Battery

RAM Mounting

75mmVESA

Hand Strap Hole

Flashlight

Camera (optional)

Speaker

Power Button

Air Vent

Accessories

- Allen wrench
- Screws for RAM
- SIM card plug

USB to Type-C cable

OBD-II female to open wire

J1939 female to open wire

Power adaptor

RAM-B-101U-225B

RAM 1" Double Ball Mount
with Backing Plate

Optional