

## Technical Specifications

### Main processor:

- Type: iMX6 1 GHz
- RAM: 512 MByte
- Mass Storage: eMMC 8 GByte

### Coprocessor:

- Type: STM32F439 168 MHz
- RAM: 2 MByte SRAM, 8 MByte SDRAM
- Flash: 2 MByte

**Power supply connector:** PWR: 2.1 DC jack

**Power supply:** 12 – 24 Vdc (from vehicle battery via OBD connector or specific wirings)

**Consumption:** 1 A @12 V max

### USB connectors:

- USB: USB 2.0 host type A max 1 A out
- USB DEVICE: USB 2.0 device type B (priority connector)

**Bluetooth communication:** Bluetooth 5.0 (BDR/EDR/LE)

**WiFi communication:** WiFi IEEE 802.11 b/g/n 2.4GHz

**Operational band:** 2400 ÷ 2483.5 MHz

**Maximum radio frequency power transmitted:** 10 dBm (2400 ÷ 2483,5 MHz)

### Diagnostic connectors:

- DIAGNOSIS: DSUB-26HD (ISO 22900-1)
- DoIP: RJ45 (UDP/TCP 13400)

**Electronic switch:** 2-way, 13 independent positions

**Control units reprogramming connector:** PV (SAE J2534-1)

**User interface:** Display OLED 64x128 dot

**Operating temperature:** 0 ÷ 50 °C

**Storage temperature:** – 20 ÷ 60 °C

### Supported protocols:

- Blink codes
- K, L (with current protection 100 mA), ISO9141-2, ISO14230

- CAN ISO11898-2 High Speed
- Second ISO11898-2 CAN channel
- CAN ISO 11898-3 LOW Speed
- CAN SAE J2411 Single Wire
- SAE J1850 PWM
- SAE J1850 VPW
- SAE J2534-1
- SAE J1708
- UDP/TCP ISO 13400 (DoIP)

**Operating moisture:** 10 ÷ 80 % without condensation

**Dimensions [mm]:** 176,1 x 175,4 x 46,8

**Weight:** 600 g

**IP protection level:** IP53 \* (\*) With properly closed protective caps.

**Directives:**

RoHS 2011/65/UE

RED 2014/53/UE

2015/863/UE

**Electromagnetic compatibility:**

ETSI EN 301 489-1

ETSI EN 301 489-17

**Radio systems:** ETSI EN 300 328

**Electrical safety:**

EN 62638-1/AC:2015

EN 62311:2008