

# Cobalt Cube®



## Bringing together essential apps, devices, and vehicle systems from the infotainment screen

**Cobalt Cube® is a system-on-chip (SoC) device that provides a consistent, intelligent applications hosting platform, with the vehicle HMI acting as the display. Increasingly popular for OEM line-fit or aftermarket fitment, it allows OEMs to provide applications and services for its customers independent of smartphone handset, head unit or global location. Cobalt Link+ is embedded within Cobalt Cube and provides virtually instantaneous connectivity between the device and the in-built vehicle display.**



### Feature rich

Fully loaded, feature rich device that is integrated discreetly within the vehicle during production or as an aftermarket option.



### Expandability

Enables car makers to vastly expand the functionality of their infotainment system in a cost-effective way. For example Android applications can run independently of head unit or OS.



### Simple updates

Software updates are simplified via the Cobalt Cube rather than traditional embedded systems.



### Customisable

User interface and user experience can be fully customised, branded and controlled by the automaker, OEM or Tier 1.



### Configuration

Pre-configured for seamless access to maps, multimedia and any other specific applications the customer defines.



### Screen mirroring

Full screen display and control of smartphone user interface from the dashboard screen, via bridging from Cobalt Cube.



#### Technical specification

- > **Compliance:** FCC, CE and UKCA
- > **Power:** 12V (flexible jack/adaptor options available) In, 5V USB Type-C In, 5V USB Type-A Out
- > **Average power consumption\*:** 4.6W
- > **CPU:** Quad-Core ARM Cortex A53
- > **GPU:** Embedded ARM 3D; OpenCL 1.2; OpenGL ES 3.1
- > **Networking:** Wi-Fi (802.11 a/b/g/n/ac) 2.4/5 GHz, Ethernet 10/100MB/s, Bluetooth 5.0
- > **GPS/GLONASS QN40**
- > **Car connectivity:** Android Auto (wireless and wired), Cobalt Link+ (wireless and wired), MirrorLink
- > **Memory:** RAM: LPDDR3. 4GB; ROM: eMMC 8/16/32GB; USB flash via USB Type-A port
- > **USB ports:** 1 x USB 2.0 Type-A, 1 x USB 2.0 Type C (OTG), 1 x USB A (5V out, dedicated charging)
- > **Display out:** HDMI 1.4, 2.0 (HDCP 1.4, HDCP 2.2)
- > **Telematics:** Cobalt Remote
- > **Operating System:** Android 9
- > **Dimensions:** 143 x 94 x 22.1 mm

\*Cobalt Cube mirroring PC to Android Auto head unit.

**“Cobalt Cube is the latest addition to our successful Cobalt product line and it provides a flexible, extensible and future-proof set up for the IVI.”**

**Peter Galek**  
Product Engineering Director

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