

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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