The AS-CUP-iMX6 integrated solutions family is designed for embedded systems product developers and OEMs.

Asine’s AS-CUP-iMX6 ARM Cortex A9 based, utilize the rich experience and know-how in the design and implementation of embedded systems and modules, benefiting from the high level system engineering and development capabilities in cooperation with user’s R&D.

Asine’s AS-CUP-iMX6 offers up to 1 GHz per core, proven iMX6 SOC, and wide scalability. Its compatibility with standard ARMv7 CPU power, HardFP, and neon Linux packages means it has the widest support for standard ARM binary software packages without the need to recompile them. Built to comply with commercial and industrial standards of embedding, the AS-CUP is composed of only the highest quality components.

AS-CUP-iMX6 gives engineers and pioneers a unique set of off-the-shelf design features and benefits enabling: shorter time to market, lower design cost, and reduction in project’s risks.

### Applications

- Industrial & Commercial PC/Tablet Systems
- Gaming
- Android Box
- XBMC Media Center
- Thin Client
- Digital signage
- Network Attached Storage (NAS)
- Mpd JukeBox
- Navigation, Infotainment
- DVR
- Security, HLS-Home Land Security
- Video Surveillance
- Firewall
The AS-CUP-iMX6 is based on NXP / Freescale® i.MX6 family processors ARM Cortex A9 based and supports wide connectivity options like Bluetooth, Wi-Fi, USB, Ethernet, and more. The AS-CUP-iMX6 shows very low power consumption at single box solution for all functions & small physical size (50 X 50 X 50 mm) also supporting high grade applications. The AS-CUP-iMX6 is supported by Android and Linux OS, providing all BIOS, OS drivers, APIs for customer’s applications development. The AS-CUP-iMX6 is implemented in demanding industrial applications, proving the "best of the breed".

**Features**

- *InfraRed (on back of box) for Remote Control (R/C) (RX & TX DQ)*
- RTC & battery backup socket (DQ)
- GPU Vivante GC880 & (DQ) GC2000
- *3D GPU OpenGL ES1.1/2.0. Also OpenCL 1.1E (DQ)*
- Floating Point VFPv. SIMD NEON
- Micro USB to RS-323 (DQ)
- * Optical S/PDIF Audio Out

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**Dimensions:**
50mm x 50mm x 50mm

**Weight:**
60-85 gr. (config. dependant)

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**Ordering Information:**
P/N Structure: ASCUP6[cpu]-[usD][v][custom-suffix]

**Ordering Examples:**
- *Standard I/Fs included
- ASCUP6D-008LV1-Dual Lite Core 800Mhz, 1GB RAM, 1Gbit ETH, 8GB uSD Kodi Linux preloaded, operating 0°C to +40°C, 110V US/Japan PS
- ASCUP6Q-008LV1-Quad Core 1Ghz, 2GB RAM, 1Gbit ETH, 8GB uSD Kodi Linux preloaded, operating 0°C to +40°C, 110V US/Japan PS
- ASCUP6Q4-008AV1-Quad Core 1Ghz, 4GB RAM, 1Gbit ETH, 8GB uSD Android preloaded, operating 0°C to +40°C, 110V US/Japan PS

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The information contained in this document is subject to change without notice.