iMX6 CUP *small size* Computer

NXP/Freescale iMX6 embedded box

AS-CUP-iMX6

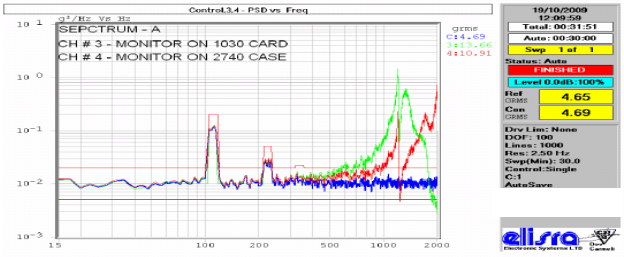
Product Overview

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

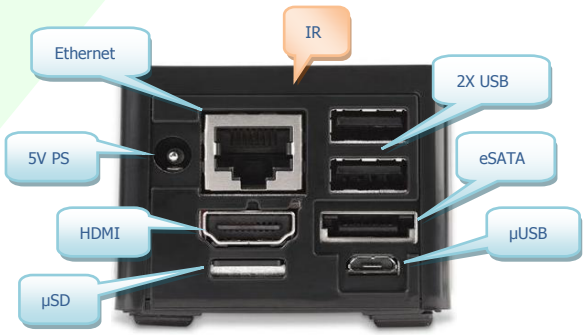
Features

(DQ) *Only at Dual & Quad*

*Standard I/Fs included at all configurations

- *SOC i.MX6: Dual Lite, Quad core
- *SOC speed 800MHz or 1GHz
- 1GB to 4GB DDR3 SDRAM
- eSATA/SATA2 **(DQ)**
- *microSD interface
- Wifi 11n/BlueTooth**(Q)**
- *HDMI 1080 W/ CEC 1.4 3D support
- *1x Ethernet 10/100/1000 Gbit/s **(DQ)**
- *USB: Powered 2X Host
- *OS – Android 4.4.2 or Linux Kodi / XBMC
- *InfraRed (on back of box) for Remote Control (R/C) (RX**DualLite**) (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
- Power: Operation 5V
- Power: ~1.5 W idle and up to 10 W max (subject to utilized application & cores count)
- Processor Optional heat spreader to be considered (consult us)
- Operating temperature – Commercial 0°C to +40°C, Storage temperature -55°C to +95°C
- Humidity 5% to 95% relative, non-condensing
- Reliability - MTBF - 1,000,000 hours MIL-HDBK271F

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 demandable industrial applications, proving the "best of the breed".



Dimensions:
50mm x 50mm x 50mm
Weight:
60-85 gr. (config. dependant)

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

cpu

ASCUP6D *Dual Lite* 800MHz *1GB RAM, 1Gbit ETH,* ***No: WiFI, BT, eSATA***
ASCUP6Q2 *Quad* 1GHz 2GB RAM, *1Gbit ETH, With WiFi & BT, eSATA*
ASCUP6Q4 *Quad* 1Ghz 4GB RAM, *1Gbit ETH, With WiFi & BT, eSATA*

Note*:*
ASCUP6Q2 and Q4 includes Receiver & Transmitter (RX & TX) R/C.
D includes only Receiver R/C

uSD Preloaded woth OS

008A 8 GB Android
008L 8 GB Kodi/Linux

v- Interfaces

V2 220V EU PS
V1 110V US/Japan PS

** Due to internal i.MX6 buses the 1000Mbps ETH interface speed is limited to 470Mb/Sec.

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

ASCUP6Q2-008LV1 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

Additional Options:
- **Offset /Buy-back**
- **OEM Customization**

Customer Options
Add suffixes for customization