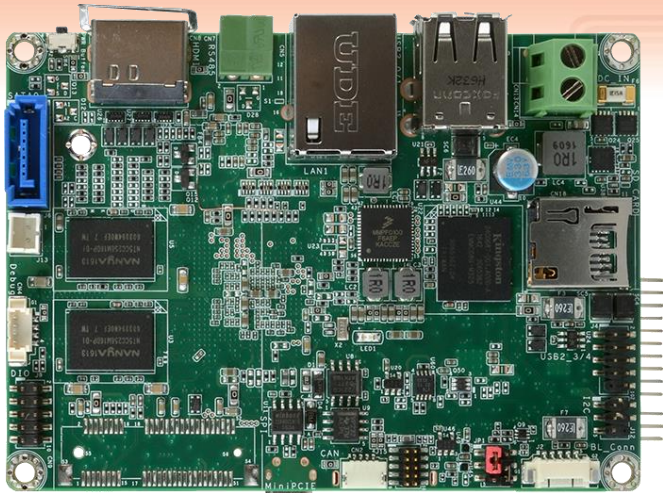


Hectronic H6914

2.5" Pico-ITX Single Board Computer with i.MX 6



The Hectronic H6914 is a small size (100mm x 72mm) single board computer that is based on NXP/Freescale i.MX6.

The i.MX6 is an ARM Cortex-A9 with integrated 2D/3D Graphics Acceleration that support Video Playback with Full HD resolution.

The H6915 has a Full Size Mini-PCIe slot for multiple types of expansion modules. The optional SIM-card holder makes it possible to use it with 3G/4G-modems.

The small size, low power consumption, extended temperature and rich I/O makes H6914 an attractive alternative for many IoT applications. The H6914 is supported by operating systems like Yocto Linux and Android.



FEATURES

- 2.5" Pico-ITX based on NXP/Freescale i.MX6
- ARM Cortex-A9 with integrated 2D/3D graphics
- HDMI and LVDS output
- SATA-interface, SD-card or onboard eMMC-storage
- Extended temperature range (-20°C to +70°C)
- Up to 2GB soldered onboard DDR3 RAM memory
- Ethernet, CAN, COM, USB and GPIO
- Yocto Linux or Android OS Support

LOOKING FOR SOMETHING SLIGHTLY DIFFERENT?

In most cases standard products can be customized to your specification. With small modifications to hardware and software, you can have the qualities and functions you need.

Call us. We will be happy to suggest and implement changes in standard products to meet your requirements exact

H6914 – Technical Specifications

CPU ALTERNATIVES

NXP i.MX6 Cortex-A9 DualLite, 1.0 GHz

NXP i.MX6 Cortex-A9 Quad, 1.0 GHz

INTEGRATED GRAPHICS

Integrated 2D/3D/MPEG hardware acceleration

Support Full HD resolution and Dual Display

i.MX6 DualLite has Vivante GC880 (53Mtri/s) for 3D graphics

i.MX6 Quad has Vivante GC2000 (176Mtri/s) for 3D graphics

DISPLAY INTERFACES

1 x HDMI (up to 1920 x 1080 resolution)

1 x 18/24 bit LVDS

MEMORY

1GB or 2GB onboard soldered RAM

Single Channel DDR3L 1600MHz

STORAGE OPTIONS

1 x SATA-interface

1 x SD-card interface

Optional onboard eMMC storage (8GB, 16GB or 32GB)

SERIAL INTERFACES

1 x RS-232/422/485 (8-wire)

1 x RS-232 (4-wire)

1 x RS-485 (2-wire)

1 x I2C

USB

2 x USB 2.0 (Type-A connector)

2 x USB 2.0 (internal pin-header)

1 x USB OTG device (internal pin-header)

GPIO

1 x 8-bit DIO

CAN

1 x CANBus

ETHERNET

1 x GbE (RJ-45)

Mini-PCIe

1 x Full-size Mini PCIe (PCIe x1 and USB 2.0)

SIM-card holder (optional)

BATTERY

Connector for external battery

WATCH DOG TIMER

System Reset, Programmable via Software from 1 to 255 Seconds

POWER

+5V DC (+/-10%)

OPERATING TEMPERATURE

0°C to +60°C

-20°C to +70°C (optional)

HUMIDITY

5 to 95% (operating)

5 to 95% (storage)

FORM FACTOR

Pico-ITX, 100mm x 72mm

THERMAL ACCESSORIES

Heat Spreader (height: 11 mm)

Heat Sink (height: 15 mm)

OPERATING SYSTEM SUPPORT

Yocto Linux

Android