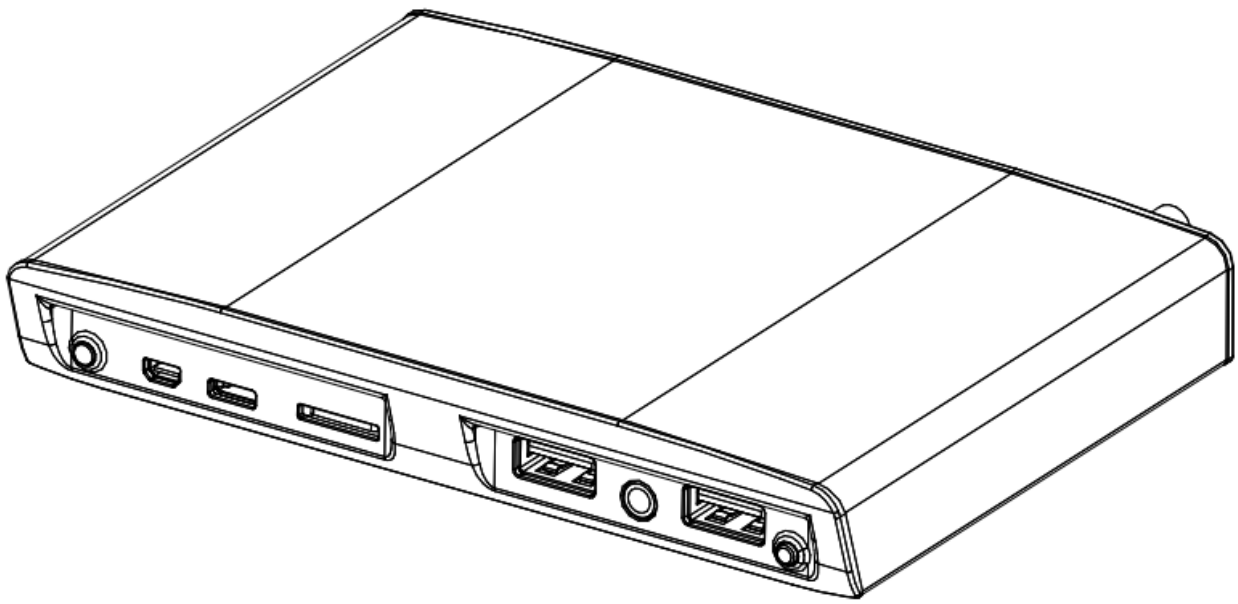
Utilite

User's Guide



utilite

Contents

Contents 2
Package Contents 4
Utilite Features 5
Utilite Overview 6
Front View 6
Rear View 6
Getting started with Utilite 7
Connecting a display 7
Connecting keyboard and mouse 7
Connecting power 7
Turning on the system 8
System login 8
Using Utilite 9

Power button 9
Power LED 9
Audio 9
Serial port 10
Utilite Software 11
General 11
Boot-loader 11
System recovery 12

Package Contents

- Utilite computer
- 12V DC power supply unit
- Power supply AC blade
- Mini serial to DB-9 adapter cable
- 3.5mm to RCA adapter cable
- WiFi antenna
- User's guide

Note: Accessory items are optional. Availability depends on Utilite model configuration.

Utilite Features

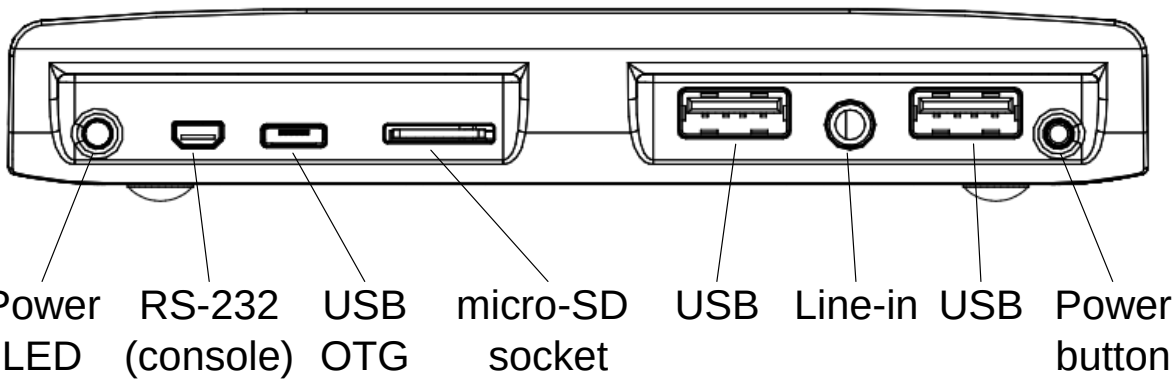
CPU	Freescale i.MX6 single / dual / quad core (*)
RAM	512MB / 2GB DDR3 (*)
Storage	32GB SSD (**)
Display	HDMI 1.4 up to 1920 x 1200
	DVI-D up to 1920 x 1200 (**)
LAN	One / two 1000 BaseT Ethernet ports (*)
WiFi	802.11b/g/n (**)
Bluetooth	Bluetooth 3.0 (**)
Audio	S/PDIF (electrical through 3.5mm jack)
	Stereo line-out, line-in
USB	Four USB 2.0 480Mbps
	USB OTG
SD	Micro-SD socket, SDXC
Serial	Two RS232 serial ports
Power	12V DC

(*) Configuration depends on Utilite model configuration.

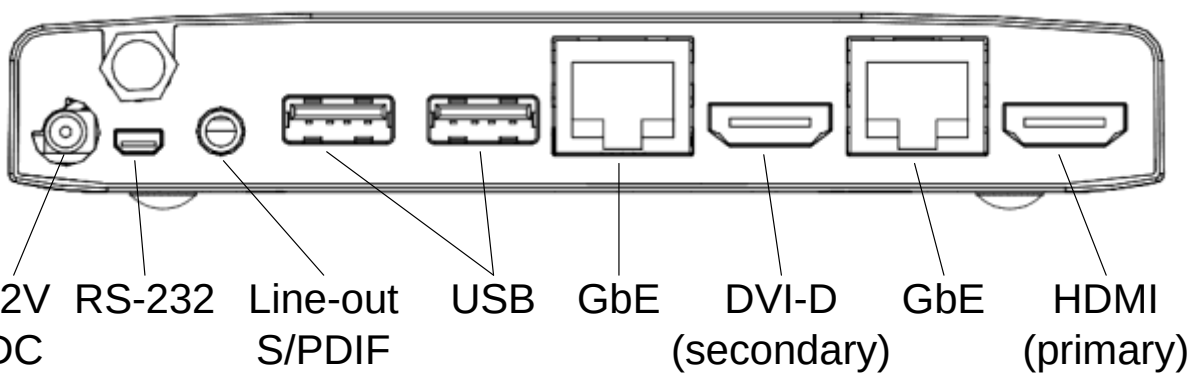
(**) Optional feature. Availability depends on Utilite model configuration.

Utilite Overview

Front View



Rear View



Getting started with Utilite

Connecting a display

Connect the display to the Utilite HDMI primary display output using a standard HDMI cable.

Connecting keyboard and mouse

Connect USB mouse and keyboard devices to the Utilite USB connectors.

Connecting power

- Insert the AC power-supply blade into the power supply unit.
- Insert the power supply plug into the Utilite 12V DC power jack. Turn the power plug clock-wise to lock the plug.

Turning on the system

- Plug the power supply unit into an AC outlet.
- Utilite will turn on and boot.

System login

Log into the O/S using the following user details:

Username: utilite
Password: 111111

Using Utilite

Power button

Utilite power button controls the system power state. Pressing the button for more than 5 seconds, shuts down the system. When the system is shut down, pressing the power button turns on the Utilite.

Power LED

Utilite power LED indicates the system power state. When the system is active, the LED is green. When the system is shut down, the LED is orange.

Audio

Analog audio

Standard stereo 3.5mm audio cables should be used to connect the Utilite analog line-out and line-in with external audio devices.

S/PDIF

The Utilite S/PDIF output is implemented on the additional pin of the line-in audio jack. Use 3.5mm to RCA adapter and a standard RCA cable to connect Utilite to an external S/PDIF device.

Serial port

Use the mini serial to DB-9 adapter included in this package and a standard null-modem cable to connect the Utilite RS-232 port to a PC serial port. Default serial port settings: 115200 bps, 8-N-1, no flow control.

Utilite Software

General

Utilite is a flexible and software-open platform supporting a variety of operating systems. For further information and documentation please visit

http://utilite-computer.com/web/support

Boot-loader

Utilite uses U-Boot as the system boot-loader responsible for initializing the system and loading the O/S. The U-Boot is a flexible, feature-rich, open-source boot-loader used in a broad range of embedded devices. For further information please refer to the links below:

http://utilite-computer.com/web/support

http://www.denx.de

System recovery

In case of firmware or O/S corruption, Utilite design allows full system recovery by using a downloadable recovery image and a standard micro-SD card. For recovery instructions please refer to http://utilite-computer.com/web/support