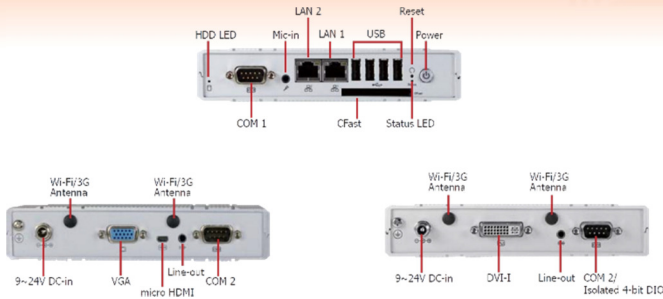


# H1502

## Fanless Embedded System



The H1502 is characterized by versatility, numerous options and compact size. Three Mini PCIe slots give room to choose from a variety of application specific wired or wireless communication interfaces such as Wi-Fi, 3G or GPRS. Storage is mSATA (internal) and CFAST (external). The H1502 is available in three versions with combinations of DVI, VGA, COM and Digital I/O.

Processor options include the three Intel® Atom™ D2550/N2800/N2600. It's quite simply a palm sized system which is scalable and adaptable to requirements from a variety of applications such as gateway, point of sales and industrial automation. CE, FCC and UL certifications open up for a worldwide market for end products with the H1502 embedded.



REAR I/O PORTS	H1502 - I	H1502 - II	H1502 - III
DC-in power jack	1	1	1
Wi-Fi/3G module antenna hole	2	2	2
Line-out	1	1	1
DVI	1	1	0
VGA:DB-15 D-sub	0	0	1
micro HDMI	0	0	1
COM: DB-9	2	1	2
DIO: DB-9 (signal+power)	0	1	0

### 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 exactly.

# H1502 – Technical Specifications

## PROCESSOR OPTIONS

Intel Atom D2550, 1.86GHz, 2x 512K L2, 10W\*, dual-core

Intel Atom N2800, 1.86GHz, 2x 512K L2, 6.5W\*, dual-core

Intel Atom N2600, 1.60GHz, 2x 512K L2, 3.5W\*, dual-core

\* TDP

## CHIPSET

Intel® NM10 Express Chipset

## SYSTEM MEMORY

Up to 4GB DDR3 onboard (Max 2GB for N2600)

## GRAPHICS

Intel® GMA 3650 (Intel Atom D2550/N2800)

Intel® GMA 3600 (Intel Atom N2600)

1 DVI-I port supports display resolution up to 1920x1200

1 VGA port supports display resolution up to 1920x1200

1 micro HDMI port supports display resolution up to 1920x1080

Smooth Video Playback

- Supports hardware decoders (H.264, VC-1, MPEG-4) with Full HD 1080p video playback capability

## STORAGE

1 CFAST socket

1 mSATA module via a Mini PCIe slot

## ETHERNET

2 Intel® WG82574L Gigabit Ethernet controllers

## AUDIO

Realtek ALC886 7.1-channel High Definition Audio

1 line-out and 1 mic-in

## COM

2 DB-9 ports

- 1 DB-9 port supports RS232/422/485 COM port

- 1 DB-9 port supports RS232/422/485 COM or isolated 2-bit In and 2-bit Out DIO

Supports RS485 auto direction control

## EXPANSION

3 Mini PCIe slots:

- 1 slot with additional SIM card holder

- 1 slot for half-sized Mini PCIe cards

- 1 slot for mSATA storage

1 SIM card socket

1 CFAST

## DIO

1 isolated 2-bit In and 2-bit Out DIO via the DB-9 port (signal+power)

1 8-bit DIO (4-bit In and 4-bit Out) connector

## FRONT I/O PORTS

1 DB-9 RS232/422/485 COM

1 mic-in

2 LAN

4 USB 2.0 (Type A)

1 CFAST socket

1 status LED

1 hdd LED

1 reset button

1 power button with LED

## POWER

9 to 24V DC power input voltage

## ENVIRONMENT

Temperature

- Operating: 0°C to 60°C

- Storage: -40°C to 80°C

Humidity

- Operating: 10% to 85% non-condensing

- Storage: 10% to 90% non-condensing

## MOUNTING

Wall/VESA mount

- Mounting brackets and screws (optional)

## DIMENSIONS

161mm x 32mm x 108.2mm (W x H x D)

## WEIGHT

700g

## OS SUPPORT

Windows 7 (32-bit)

Windows Embedded Standard 7 (32-bit)

Ubuntu 12.04

## OTHER FEATURES

Watchdog Timer function

## CERTIFICATION

CE, FCC Class A, UL, RoHS