

# SBOX-2351

Intel Apollo Lake E3940 Atom CPU / 2xLAN/ HDMI/ DVI/ VGA DC 9-36V Fanless Box PC



- Apollo Lake
- Win 10/7 Linux
- DDR3L 1600
- DVI-I HDMI
- DC 9-36V
- Dual GbE Lan

## Features

- Intel Apollo Lake E3940 Atom CPU
- Triple Display Output (DVI / HDMI / VGA)
- Embedded OS (Win 10 & Ubuntu 14.04)
- Dual Gigabit Ethernet and 2 x RS-232
- Wide Range Operating Temp. : -30~60°C
- Ultra Slim(54mm), Compact Size and Fanless
- DC 9-36V Power Input

## System

<b>CPU</b>	Intel E3950 Quad Core Atom CPU up to 2.0GHz Intel E3940 Quad Core Atom CPU up to 1.8GHz Intel E3930 Dual Core Atom CPU up to 1.8GHz
<b>Memory</b>	1 x DDR3L-1600 SO-DIMM up to 8GB
<b>Graphics</b>	Intel HD Graphics
<b>ATA</b>	2 x Serial ATA ports with 6Gb/s HDD Transfer Rate
<b>LAN Chipset</b>	2 x Intel i210-AT Gigabit Ethernet
<b>Watchdog</b>	1 ~ 255 Level Reset
<b>Resolution</b>	3840 x 2160 @ 30Hz max.

## I/O

<b>Serial Port</b>	2 x RS-232/422/485 (Optional Max. 4 x RS-232)
<b>USB Port</b>	2 x USB 2.0 Ports and 2 x USB 3.0
<b>LAN</b>	2 x RJ45 Ports for 10/100/1000 Mbps LAN
<b>Video Port</b>	HDMI/DVI/VGA(Through DVI-I), Max. 3 Display Outputs
<b>GPIO Port</b>	4 In and 4 Out GPIO Ports (5V Level)
<b>Audio</b>	Line-Out
<b>Expansion Bus</b>	3 x Mini-card Slots (1 with SIM for LTE/3G Only)

## Storage

<b>Type</b>	1 x 2.5" Drive Bay for SATA Type Hard Disk Drive / SSD 1 x SATA DOM
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## Software

<b>Operating System</b>	Windows 10, Ubuntu 14.04 above
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## Qualification

<b>Certifications</b>	CE, FCC Class A
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## Environmental

<b>Operating Temp.</b>	-30 ~ 60°C, ambient w/ air
<b>Storage Temp.</b>	-40 ~ 85°C
<b>Relative Humidity</b>	10 ~ 95% @ 40°C (non-condensing)
<b>Power Input</b>	DC 9-36V Input w/ Reverse Polarity OCP and OVP Protection

## Mechanical

<b>Construction</b>	Aluminum Alloy
<b>Mounting</b>	Wall-mount, VESA-mount, Din Rail Mounting Kit
<b>Weight</b>	1200g (Barebone)
<b>Dimensions</b>	182 x 167.6 x 54 mm

## Ordering Information

<b>Part Number</b>	SBOX-2351-000
<b>Description</b>	Intel Apollo Lake E3940 Atom CPU / 2xLAN/ HDMI/ DVI/ VGA DC 9-36V Fanless Box PC

# SBOX-2350

Intel Apollo Lake E3940 Atom CPU / 2xLAN/ HDMI/ DVI/ VGA/ DC 12V DC Input Fanless Box PC



- Apollo Lake
- Win 10/7 Linux
- DDR3L 1600
- DVI-I HDMI
- DC 12V
- Dual GbE Lan

## Features

- Intel Apollo Lake E3940 Atom CPU
- Triple Display Output (DVI / HDMI / VGA)
- Embedded OS (Win 10 & Ubuntu 14.04)
- Dual Gigabit Ethernet and 2 x RS-232
- Wide Range Operating Temp. : -30~60°C
- Ultra Slim(40mm), Compact Size and Fanless
- DC 12V Power Input

## System

<b>CPU</b>	Intel E3950 Quad Core Atom CPU up to 2.0GHz Intel E3940 Quad Core Atom CPU up to 1.8GHz Intel E3930 Dual Core Atom CPU up to 1.8GHz
<b>Memory</b>	1 x DDR3L-1600 SO-DIMM up to 8GB
<b>Graphics</b>	Intel HD Graphics
<b>ATA</b>	2 x Serial ATA ports with 6Gb/s HDD Transfer Rate
<b>LAN Chipset</b>	2 x Intel i210-AT Gigabit Ethernet
<b>Watchdog</b>	1 ~ 255 Level Reset
<b>Resolution</b>	3840 x 2160 @ 30Hz max.

## I/O

<b>Serial Port</b>	2 x RS-232/422/485 (1 x RS-232 share with GPIO port)
<b>USB Port</b>	2 x USB 2.0 and 2 x USB 3.0 Ports
<b>LAN</b>	2 x RJ45 Ports for 10/100/1000 Mbps LAN
<b>Video Port</b>	HDMI/DVI/VGA(Through DVI-I), Max 3 Display Outputs
<b>GPIO Port</b>	4 In and 4 Out GPIO Ports (5V Level)
<b>Audio</b>	Line-Out / Mic-in
<b>Expansion Bus</b>	2 x Mini-card Slots

## Storage

<b>Type</b>	1 x 2.5" Drive Bay for SATA Type Hard Disk Drive / SSD 1 x SATA DOM
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## Software

<b>Operating System</b>	Windows 10, Ubuntu 14.04 above
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## Qualification

<b>Certifications</b>	CE, FCC Class A
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## Environmental

<b>Operating Temp.</b>	-30 ~ 60°C, ambient w/ air
<b>Storage Temp.</b>	-40 ~ 85°C
<b>Relative Humidity</b>	10 ~ 95% @ 40°C (non-condensing)
<b>Power Input</b>	DC 12V Input

## Mechanical

<b>Construction</b>	Aluminum Alloy
<b>Mounting</b>	Wall-mount, VESA-mount, Din Rail Mounting Kit
<b>Weight</b>	1200g (Barebone)
<b>Dimensions</b>	182 x 167.6 x 40 mm

## Ordering Information

<b>Part Number</b>	SBOX-2350-000
<b>Description</b>	Intel Apollo Lake E3940 Atom CPU / 2xLAN/ HDMI/ DVI/ VGA/ DC 12V Fanless Box PC