

# SBOX-2351

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



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

## System

|                    |  |
|--------------------|--|
| <b>CPU</b>         | Intel E3940 Quad Core Atom CPU up to 1.8GHz<br>Intel N3350 Dual Core Atom CPU up to 2.4GHz |
| <b>Memory</b>      | 1 x DDR3L-1600 SO-DIMM up to 8GB   |
| <b>Graphics</b>    | Intel HD Graphics 500  |
| <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<br>1 x SATA DOM |
|-------------|--|

## Software

|                         |                                |
|-------------------------|--------------------------------|
| <b>Operating System</b> | Windows 10, Ubuntu 14.04 above |
|-------------------------|--------------------------------|

## 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

## Qualification

|                       |                 |
|-----------------------|-----------------|
| <b>Certifications</b> | CE, FCC Class A |
|-----------------------|-----------------|

## 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 |