

Embedded Computing

SBOX-2320

Intel Braswell N-series Atom CPU/ 2 x LAN/ HDMI/ DVI/ VGA/ DC 9-36V Fanless Box PC

Features

- Intel Braswell N3060 Atom CPU
- Triple Display Output (DVI / HDMI / VGA)
- 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



Introduction

The SBOX-2320 Fanless Box PC is suitable for various outdoor visual application needs such as video surveillance, automatic factory, automatic guided vehicle (AGV) and flight information display system (FIDS) in the airports. It is powered by Intel Braswell N-Series Atom CPU with 2xLAN/HDMI/DVI/VGA DC 9-36V with Dual Gigabit Ethernet and 2xRS-232 and 1 x DDR3L-1600 SO-DIMM up to 8GB. SBOX-2320 features triple display output (DVI-I/HDMI/VGA). To add, the environmental tolerance continually maintains a wide range of operating temperatures (-30°C ~ 60 °C). The ultra slim (54 mm) compact size makes this series ideally suited for digital signage or kiosks where space is limited.

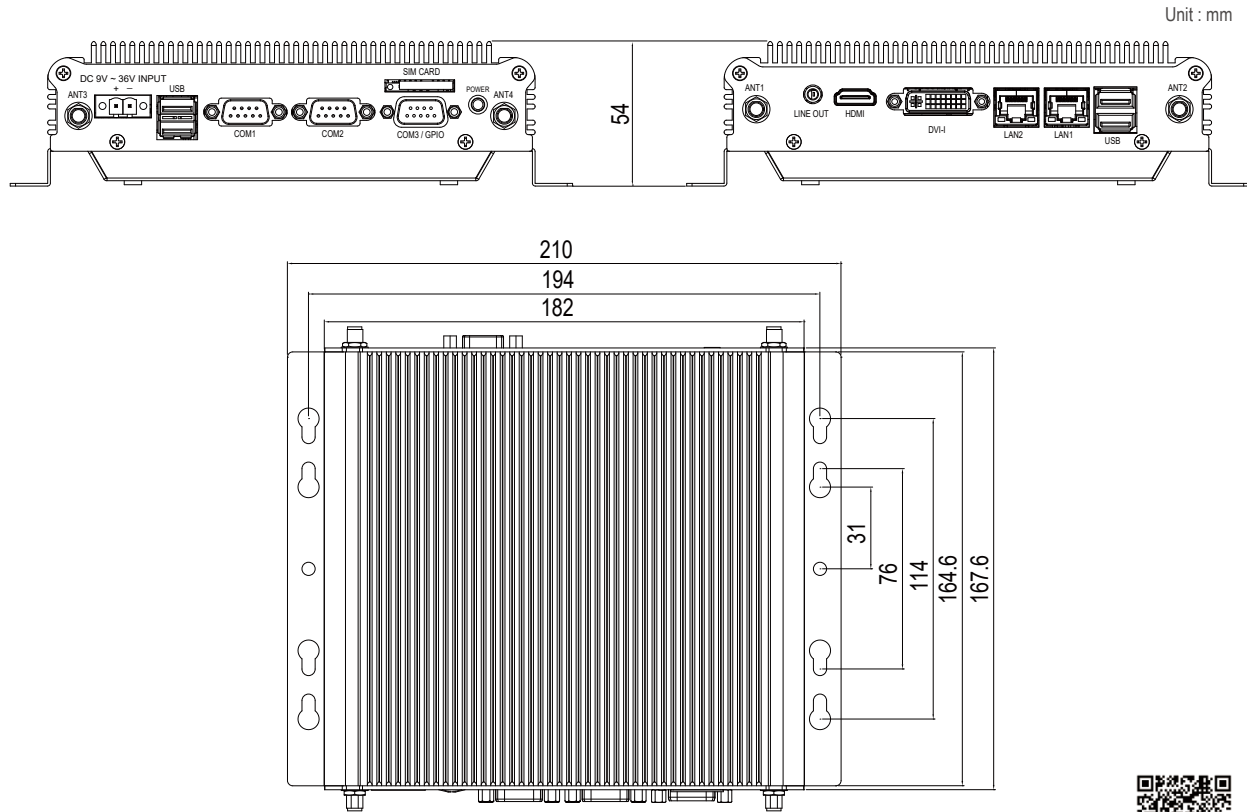
Specifications

System	
CPU	Intel N3710 Quad Core CPU up to 2.56GHz Intel N3160 Quad Core CPU up to 2.24GHz Intel N3060 Dual Core CPU up to 2.48GHz
Memory	1 x DDR3L-1600 SO-DIMM up to 8GB
Chipset	N/A
Graphics	Intel HD Graphics
ATA	2 x Serial ATA ports with 6Gb/s HDD Transfer Rate
LAN Chipset	2 x Intel i210-AT Gigabit Ethernet
Watchdog	1 ~ 255 Level Reset
I/O	
Serial Port	2 x RS-232/422/485 (Optional Max. 4 x RS-232)
USB Port	2 x USB 2.0 and 2 x USB 3.0 port
LAN	2 x RJ45 Ports for GbE
Video Port	HDMI/DVI/VGA(Through DVI-I *), Max. 3 Display Outputs
GPIO Port	4 In and 4 Out GPIO Ports (5V Level)
Audio	Line-Out
Expansion Bus	3 x Mini-card Slots (1 with SIM for LTE/3G Only) * Use only with Single Link DVI Cables.

Software	
Operating System	Windows*, Ubuntu 16.04 64bit *The supported version depends on the Microsoft® announcement.
Environmental	
Operating Temp.	-30 ~ 60°C, ambient w/ 0.6m/s airflow
Storage Temp.	-40 ~ 85°C
Relative Humidity	10% RH – 90% RH (non-condensing)
Power Input	DC 9-36V Input w/ Reverse Polarity OCP and OVP Protection
Storage	
Type	1 x 2.5" Drive Bay for SATA Type Hard Disk Drive/SSD 1 x SATA DOM
Qualification	
Certifications	CE, FCC Class A
Mechanical	
Construction	Aluminum Alloy
Mounting	Wall-mount, VESA-mount, Din Rail Mounting Kit
Weight	1200g (Barebone)
Dimensions	182 x 167.6 x 54 mm

All specifications are subject to change without notice.

Dimensions



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Ordering Information

Part Number	SBOX-2320-000
Description	Intel Braswell N3060 Atom CPU/ 2 x LAN/ HDMI/ DVI/ VGA/ DC 9-36V Fanless Box PC
State of Origin	Made in Taiwan

Optional Accessories

DRAM	SO-DIMM max.DDR3L 1600, 2GB~8GB,0~70°C/-40~85°C
SATA SSD	2.5inch MLC/TLC 64GB~1TB 0~70°C/-40~85°C
SATA DOM	MLC 8GB~128GB, 0~70°C/-40~85°C
Wifi	Wifi miniPCIe half size card 802.3a/b/g/n/ac
Modem	LTE miniPCIe card
GPS	GPS miniPCIe card
Power adapter	Power Adapter 12V/5A 60W Jack

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