

# BX-S3000

*Embedded Fan-Less System with Intel® 6<sup>th</sup> Skylake Platform*

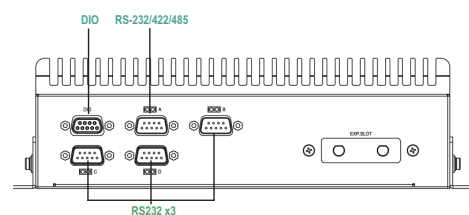
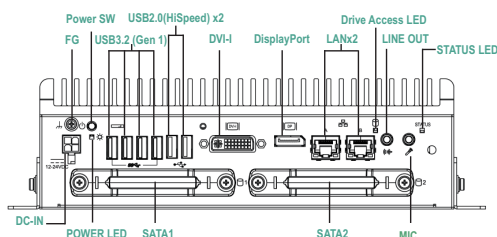


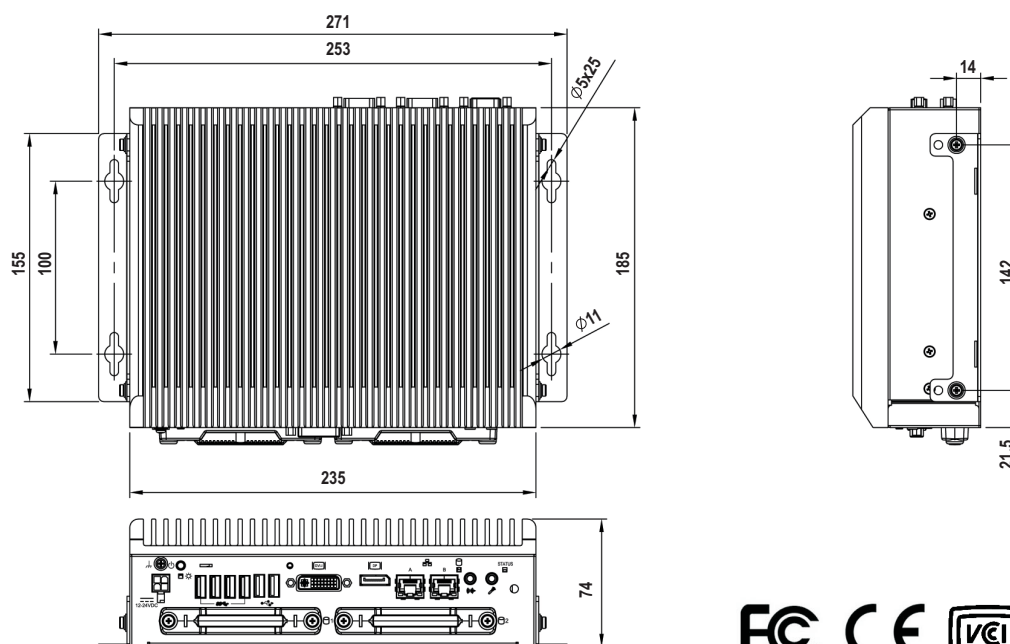
## Features

- Intel® 6<sup>th</sup> Skylake Platform
- Silent fanless design with high airtight chassis
- A4 Small design and cost effective
- Dual Giga LAN, 4x COM, 4x USB 3.2(Gen 1), 2x USB 2.0(HiSpeed), 1x GPIO, 1x DVI-I, 1x DP and other rich expansion interface
- Wide range DC input

## Optional Configuration

- 2x 2.5" Drive Bay
- 3x RS232, 1x RS232/422/485, 1x GPIO (DB9)
- 1x M.2 Key M Support (PCIe x4 / SATA / SMBus)
- 1x PCI Express Mini Card Slot (PCIe I/F)
- AC adapter 24V/120W
- OS Win7 32/64-bit / Win8.1 64-bit / Win10 IoT 64-bit
- VESA & DIN Rail Module





## Specifications

|                   |                        |                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System            | CPU                    | 6 <sup>th</sup> Generation Skylake Intel® Core™ i7-6700TE Processor<br>6 <sup>th</sup> Generation Skylake Intel® Core™ i5-6500TE Processor<br>6 <sup>th</sup> Generation Skylake Intel® Celeron® G3900TE Processor                                                                                                                                                          |
|                   | CHIPSET                | Intel® Q170 Controller Hub                                                                                                                                                                                                                                                                                                                                                  |
|                   | SYSTEM MEMORY          | DDR4 2133/2400, 260-pin SO-DIMM x 2, Max. 32 GB (Non-ECC)                                                                                                                                                                                                                                                                                                                   |
|                   | GRAPHICS               | Intel® HD Graphics                                                                                                                                                                                                                                                                                                                                                          |
|                   | DISPLAY INTERFACE      | DP, DVI-I (DVI -D + VGA)                                                                                                                                                                                                                                                                                                                                                    |
|                   | STORAGE SLOT           | 2.5" HDD/SSD x 2 (Removeable Bay)<br>M.2 key M x 1                                                                                                                                                                                                                                                                                                                          |
|                   | ETHERNET               | Intel® I219-LM(PHY) & Intel® I210-AT                                                                                                                                                                                                                                                                                                                                        |
|                   | AUDIO                  | Mic-in, Line-out                                                                                                                                                                                                                                                                                                                                                            |
|                   | SUPER I/O              | NUVOTON NCT6106D                                                                                                                                                                                                                                                                                                                                                            |
|                   | EXPANSION SLOT         | Mini-PCI/e x 1<br>M.2 key M 2242(Reserve) x 1                                                                                                                                                                                                                                                                                                                               |
| Power Requirement | POWER INPUT            | 12~24V(±10%,DC10.8-26.4V) Wide Range DC Input w/ Terminal Block Connectivity                                                                                                                                                                                                                                                                                                |
|                   | POWER ADAPTER          | AC to DC, DC 24V/ 5A, 120W adaptor w/ Terminal Block Connectivity                                                                                                                                                                                                                                                                                                           |
|                   | THERMAL DESIGN         | Fanless                                                                                                                                                                                                                                                                                                                                                                     |
|                   | MOUNTING               | Wall mount, Desktop, VESA mount, DIN Rail                                                                                                                                                                                                                                                                                                                                   |
| Mechanical        | DIMENSIONS (W X D X H) | 235(W) x 185(D) x 74(H) mm (No protrusions)                                                                                                                                                                                                                                                                                                                                 |
|                   | WEIGHT                 | 3.0 kg                                                                                                                                                                                                                                                                                                                                                                      |
|                   | MATERIAL               | Top cover: Aluminum Alloy , Bezel and chassis: Steel                                                                                                                                                                                                                                                                                                                        |
|                   | INTERFACE              | Mic-in x 1 and Line-out(front panel) x 1<br>USB 3.2(Gen 1) x 4 (front panel)<br>USB 2.0(HiSpeed) x 2 (front panel)<br>4 PIN power jack x 1<br>Software-programmable RS-232 / 422 / 485 ports x 1 (Rear panel)<br>RS-232 male ports x3 (Rear panel)<br>6 bit programmable + control power button DIO Port<br>TPM 2.0, RAID(0,1), iAMT(11.0)<br>Power Button(Front Panel) x 1 |
| Environmental     | OPERATING TEMPERATURE  | 0°C~50°C with Air Flow: 0.5 m/s (w/ Standard Temp. SSD) (w/ Extended Temp. mSATA)<br>0°C~40°C with Air Flow: 0.6 m/s (w/ Standard Temp. HDD)                                                                                                                                                                                                                                |
|                   | STORAGE TEMPERATURE    | -10~60°C                                                                                                                                                                                                                                                                                                                                                                    |
|                   | OPERATING HUMIDITY     | 10%~90% (Non-condensing)                                                                                                                                                                                                                                                                                                                                                    |
|                   | VIBRATION RESISTANCE   | IEC 60068-2-6 / JIS C 60068-2-6 : 2010<br>HDD (Operating): 10 ~ 50Hz/4.9m/s <sup>2</sup> (0.5G); 1oct/min, 1 cycle(10-150-10 Hz);<br>5 cycles X,Y,Z per axis(25 mins/axis)<br>SSD (Operating): 10 ~ 57 Hz / 0.15 mm (0-p); 57 ~ 150 Hz / 19.6 m/s <sup>2</sup> (2G);<br>5 cycles X,Y,Z per axis(40 mins/axis)                                                               |
|                   | SHOCK RESISTANCE       | IEC 60068-2-27 / JIS-60068-2-27<br>98m/s <sup>2</sup> (10G) / 11ms / half sine; 3 times X,Y,Z per axis                                                                                                                                                                                                                                                                      |
|                   | CERTIFICATION          | CE(including LVD) & FCC & VCCI class A                                                                                                                                                                                                                                                                                                                                      |
| OS                | OS SUPPORT             | Windows® 10 IoT(64-bit), Windows® 8.1 (64-bit), Windows® 7 (32/64-bit) English                                                                                                                                                                                                                                                                                              |

## Ordering Guide

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| ● BX-S3000-DC1800000 | Base model with Intel® Celeron® G3900TE, DDR4 8GB Memory |
| ● BX-S3000-DC4800000 | Base model with Intel® Core™ i5-6500TE, DDR4 8GB Memory  |
| ● BX-S3000-DC5800000 | Base model with Intel® Core™ i7-6700TE, DDR4 8GB Memory  |