

# EPC-S101

## Embedded 3.5 SBC system for PCM-9310

**NEW**



### Features

- Intel® Braswell Celeron N3160/N3060, Atom E8000, DDR3L-1600MHz SODIMM up to 8GB
- Fanless slim system with wall-mount & desk mount removable flange, default support VESA mount & Din-rail mount at bottom side
- Supports 2 x Intel GbE, 8 x USB, HDMI, VGA, 4 x COM and 1 x Digital IO
- Built-in 1 x full size mSATA and 1 x full size MiniPCIe w/SIM
- Supports iManager, WISE-PaaS/RMM and Embedded Software APIs



WISE-PaaS/RMM iManager



### Specifications

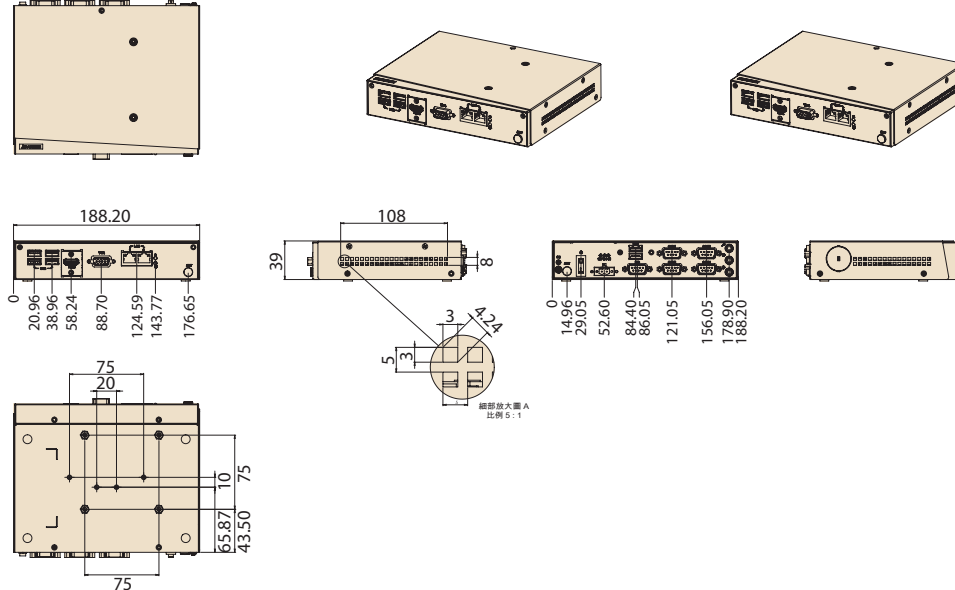
|                          |                        | EPC-S101CQ-S6A1                                                                        | EPC-S101CD-S6A1     | EPC-S101AQ-S0A1      |
|--------------------------|------------------------|----------------------------------------------------------------------------------------|---------------------|----------------------|
| Processor System         | CPU                    | Intel Celeron N3160                                                                    | Intel Celeron N3060 | Intel Atom E8000     |
|                          | Frequency              | 1.6 GHz (Quad-Core)                                                                    | 1.6 GHz (Dual-Core) | 1.04 GHz (Dual-Core) |
|                          | Max Turbo Frequency    | 2.24 GHz                                                                               | 2.48 GHz            | 2GHz                 |
|                          | L2 Cache               | 2MB                                                                                    | 2MB                 | 2MB                  |
|                          | BIOS                   | AMI UEFI BIOS at 64Mbit                                                                |                     |                      |
| Memory                   | Technology             | DDR3L 1600MHz 2GB                                                                      |                     |                      |
|                          | Max. Capacity          | Up to 8 GB*                                                                            |                     |                      |
|                          | Socket                 | 1 x 204-pin SODIMM                                                                     |                     |                      |
| Display                  | Controller             | Intel Gen8 LP                                                                          |                     |                      |
|                          | Graphic Engine         | DirectX11.1, OpenCL4.2, OpenCL1.2 (OpenCL not for Win7)                                |                     |                      |
|                          |                        | HW Decode: H.265/HEVC @ level 5, H.264 @ Level 5.2, MPEG2, MVC, VC-1, WMV9, JPEG, VP8. |                     |                      |
|                          |                        | HW Encode: H.264 @ Level 5.1, MVC, JPEG                                                |                     |                      |
|                          | VGA                    | 1920 x 1200 at 60Hz                                                                    |                     |                      |
| Ethernet                 | HDMI                   | HDMI 1.4b up to 2560x1600 at 60Hz                                                      |                     |                      |
|                          | Dual Display           | VGA + HDMI                                                                             |                     |                      |
|                          | LAN #1                 | 10/100/1000 Mbps, RTL8111E                                                             |                     |                      |
| Audio                    | LAN #2                 | 10/100/1000 Mbps, RTL8111E                                                             |                     |                      |
|                          | Main system            | Realtek ALC892, High Definition Audio (HD), Line-in, Line out, Mic-in                  |                     |                      |
| Expansion                | Mini PCIe #1           | 1 x Full-size Mini PCIe w/ SIM                                                         |                     |                      |
|                          | Mini PCIe #2           | 1 x Full-size Mini PCIe (default support mSATA)                                        |                     |                      |
| Storage                  | 2.5" HDD Drive         | Option                                                                                 |                     |                      |
|                          | mSATA                  | 1                                                                                      |                     |                      |
| Other                    | Watchdog Timer         | 255-level timer interval, setup by software                                            |                     |                      |
|                          | USB                    | 4 (2 x USB2.0, 2 x USB 3.0)                                                            |                     |                      |
|                          | RJ45                   | 2                                                                                      |                     |                      |
|                          | VGA                    | 1                                                                                      |                     |                      |
|                          | HDMI                   | 1                                                                                      |                     |                      |
| Front I/O Openings       | Antenna                | 1                                                                                      |                     |                      |
|                          | COM                    | 4 (2 x RS232, 2 x RS232/422/485)                                                       |                     |                      |
|                          | USB                    | 2 (2 x USB2.0)                                                                         |                     |                      |
|                          | Audio                  | 1 (Line-out, Line-in, Mic-in )                                                         |                     |                      |
|                          | Digital I/O            | 1                                                                                      |                     |                      |
| Rear I/O Openings        | Antenna                | 1                                                                                      |                     |                      |
|                          | Circular Cutouts       | 1                                                                                      |                     |                      |
|                          | LED Indicators         | Power, HDD                                                                             |                     |                      |
|                          | Control                | Power switch                                                                           |                     |                      |
|                          | Power Type             | AT                                                                                     |                     |                      |
| Power Requirement        | Power input Voltage    | 12V                                                                                    |                     |                      |
|                          | Connector type         | 2-Pole Phoenix DC plug in                                                              |                     |                      |
|                          | Operating              | 0 ~ 50° C (32 ~ 122° F) w/ 0.7m/s airflow                                              |                     |                      |
| Environment              | Non-operating          | -40 ~ 85° C (-40~185° F)                                                               |                     |                      |
|                          | Relative Humidity      | 40° C @ 95%, Non-Condensing, operating                                                 |                     |                      |
|                          |                        | 60° C @ 95%, Non-Condensing, non-operating                                             |                     |                      |
|                          | Vibration (5~500Hz)    | With mSATA/SSD: 3 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis                  |                     |                      |
|                          | Shock                  | With mSATA/SSD: 30G, IEC 60068-2-27, half sine, 11 ms duration                         |                     |                      |
| Physical Characteristics | Mounting               | Desk/Wall-mounting, VESA mounting, Din rail mounting standoff reserved                 |                     |                      |
|                          | Dimensions (W x H x D) | System dimension : 188 x 39 x 150 mm                                                   |                     |                      |
|                          | Weight                 | 0.95 kg                                                                                |                     |                      |
| Regulation               | EMC                    | CE/FCC Class B                                                                         |                     |                      |
|                          | Safety                 | CB, UL, CCC, BSMI                                                                      |                     |                      |

\* 1 x 2G DDR3L RAM is included in default package.

\* Other RAM size is supported by request.

## Dimensions

Unit: mm



## Ordering Information

| Part Number                    | Intel CPU           | RAM       | VGA | HDMI | GBE | USB 2.0 | USB 3.0 | RS-232 | RS-232/422/485 | Audio                         | MiniPCIe                  | 2.5" HDD bay | mSATA                      | Operating Temperature |
|--------------------------------|---------------------|-----------|-----|------|-----|---------|---------|--------|----------------|-------------------------------|---------------------------|--------------|----------------------------|-----------------------|
| EPC-S101CQ-S6A1                | Intel Celeron N3160 | 2G DDR3L* | 1   | 1    | 2   | 4       | 2       | 2      | 2              | Line in<br>Line out<br>Mic in | 2 Full size<br>(1 w/ SIM) | 1            | 1 (Leverage MiniPCIe slot) | 0 ~ 50° C             |
| EPC-S101CD-S6A1                | Intel Celeron N3060 |           |     |      |     |         |         |        |                |                               |                           |              |                            |                       |
| EPC-S101AQ-S0A1                | Intel Atom E8000    |           |     |      |     |         |         |        |                |                               |                           |              |                            |                       |
| EPCS101CQ1801-T (for ATW only) | Intel Celeron N3160 |           |     |      |     |         |         |        |                |                               |                           |              |                            |                       |
| EPCS101AQ1802-T (for ATW only) | Intel Atom E8000    |           |     |      |     |         |         |        |                |                               |                           |              |                            |                       |

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\* Other RAM size is supported by request.

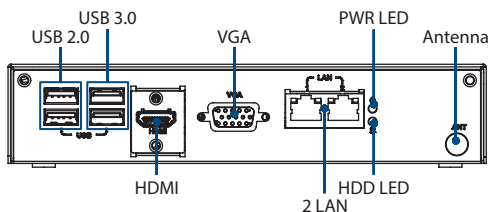
## Embedded OS/API

| OS/API       | Part No. | Description        |
|--------------|----------|--------------------|
| Win8.1       |          | 64bit              |
| WES7E        |          | 64bit              |
| VxWorks      |          | Support by request |
| Software API |          | SUSI API           |
| Win10        |          | 64 bit             |

## Packing List

| Part Number                     | Description                                                                                                           |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                 | 1 x EPC-S101 Unit                                                                                                     |
|                                 | 1 x Startup Manual (Simplified Chinese )                                                                              |
| 1700009001                      | A Cable JACK/1*2P-5.0 4.5CM C=R B (Phoneix Jack to DC Jack)                                                           |
| 1990027162N010                  | Thermal Pad 19.5X19.5X1.5 K=1.2 XR-HL                                                                                 |
| 1990019498N020                  | Thermal-Pad 59x19.5x1.5 XR-HL K=1.2 TP Apus                                                                           |
| 1930004607                      | HDD Screw M3x4L S/S D=4.8 H=1 (2+) ST BZn                                                                             |
| 96PSA-A60W12P2-1 (for ATW only) | DC power 12V/5A 60W, 0 ~ 40 °C, w/ Phoneix Jack type power connector (only EPCS101CQ1801-T & EPCS101AQ1802-T include) |

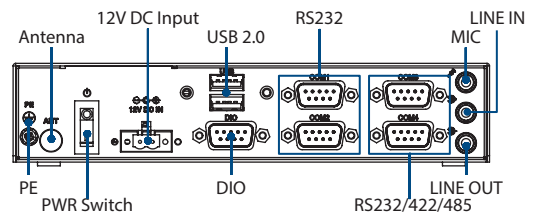
## Front View



## Optional

| Part Number      | Description                                                          |
|------------------|----------------------------------------------------------------------|
| 96PSA-A60W12P2-1 | DC power 12V/5A 60W, 0 ~ 40° C, w/ Phoneix Jack type power connector |
| 1702002600-01    | Power cable 3-pin 183 cm, USA type                                   |
| 1700018704       | Power cable 3-pin 180 cm, UK type                                    |
| 1700018705       | Power cable 3-pin 183 cm, Europe type                                |
| 1700000237-01    | Power cable 3-pin 183 cm, PSE type                                   |
| 1960074451N001   | Wall Mount Bracket *2                                                |
| 1930001422       | Wall Mount Screw *4                                                  |
| 1960018849T031   | Din Rail Bracket *1                                                  |

## Rear View



# Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



## AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

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### PRŮMYSLOVÉ POČÍTAČE

*fanless embedded PC, do racku, ...*



### POČÍTAČE S DISPLEJEM

*panelové PC, terminály, do vozidel, ...*



### AUTOMATIZACE A SBĚR DAT

*převodníky, karty, moduly, switche, ...*



### PERIFERIE A KOMPONENTY

*monitory, klávesnice, desky, skříně, ...*



### NOTEBOOKY A TABLETY

*odolné, windows, android, IP65, ...*



### INFORMAČNÍ KIOSKY

*interiérové, venkovní, ...*



### MEDICÍNSKÁ TECHNIKA

*počítače, tablety, LCD, klávesnice, ...*



### SOFTWAREVÁ ŘEŠENÍ

*pro výrobu, zaměstnance, kiosky, ...*



### PŘEJÍT DO E-SHOPU

[eshop.autocont-ipc.cz](http://eshop.autocont-ipc.cz)



### DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



### PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



### ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



### SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.