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COPYRIGHT NOTICE

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WARRANTY

Warranty Statements are included with each unit at the time of purchase and are available at www.maplesystems.com.

TECHNICAL SUPPORT

This manual is designed to provide the necessary information for trouble-free installation and operation of your Box PC. However, if you need assistance, please contact Maple Systems:

- Phone: 425-745-3229
- Email: support@maplesystems.com
- Web: www.maplesystems.com

UNPACKING THE UNIT

Carefully unpack the Box PC. Check all material in the container against the packing list. Maple Systems will not accept responsibility for shortages against the packing list unless notified within 30 days. The equipment and accessories were inspected and tested by Maple Systems before shipment.

Examine the equipment carefully; if any shipping damage is evident, notify the carrier immediately. Maple Systems is not responsible for claim negotiations with the carrier.

Save the shipping container and packing material in case the equipment needs to be stored, returned to Maple Systems, or transported for any reason.

<table>
<thead>
<tr>
<th>Packing List</th>
</tr>
</thead>
<tbody>
<tr>
<td>BPC2300 Series Box PC unit</td>
</tr>
<tr>
<td>DC Power Connector (3 pin terminal block)</td>
</tr>
<tr>
<td>Support DVD</td>
</tr>
<tr>
<td>Windows Recovery DVD (for non-embedded operating systems only)</td>
</tr>
</tbody>
</table>
SAFETY PRECAUTIONS

Please observe the following precautions when installing the Box PC Series. Failure to comply with these restrictions could result in loss of life, serious personal injury, or equipment damage.

| Warning: Disconnect this equipment from any power before cleaning. Do not use liquid or spray detergents for cleaning. Use a damp cloth. |
| Warning: Keep this equipment away from humidity. |
| Warning: Before applying power the unit make sure the voltage of the power source is within the input voltage rating of the unit. |
| Warning: Never open the equipment and do not operate equipment with its heatsink cover removed- there are dangerous high voltages present inside. For safety reasons, the equipment should be opened only by a qualified service technician. |
| Warning: This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, it may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference. |
| Warning: If any of the following situations arise, get the equipment checked by qualified service personnel.  
1. The power cord or plug is damaged.  
2. Liquid has penetrated into the equipment.  
3. The equipment has been exposed to moisture.  
4. The equipment does not work well, or you cannot get it to work according to this operations manual.  
5. The equipment has been dropped and damaged.  
6. The equipment has obvious signs of breakage. |
| Warning: Risk of explosion if the battery is replaced with an incorrect type. Batteries should be recycled where possible. Disposal of used batteries must be in accordance with local environmental regulations. |
| Warning: Do not leave this equipment in an uncontrolled environment where the storage temperature is below -30°C (-22°F) or above 70°C (158°F). It may damage the equipment. |
SPECIFICATIONS AND DIMENSIONS

The following section contains the Specifications and Dimensions for the BPC2300 Series Box PCs.

### BPC2310A SPECIFICATIONS

<table>
<thead>
<tr>
<th>System</th>
<th>CPU</th>
<th>Intel® Celeron N2930 1.83GHz CPU processor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>System Chipset</td>
<td>SoC</td>
</tr>
<tr>
<td></td>
<td>System Memory Options</td>
<td>4GB DDR3L RAM, 1 x 204-pin SO-DIMM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8GB DDR3L RAM, 1 x 204-pin SO-DIMM</td>
</tr>
<tr>
<td>I/O Ports</td>
<td>USB</td>
<td>2 x USB 3.0 type A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 x USB 2.0 type A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>COM2: RS-232 DE-9P</td>
</tr>
<tr>
<td></td>
<td></td>
<td>COM3: RS-232 DE-9P</td>
</tr>
<tr>
<td></td>
<td>Audio</td>
<td>1 x 3.5 mm line out</td>
</tr>
<tr>
<td></td>
<td>Display Interface</td>
<td>1 x HDMI® port</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 x VGA port</td>
</tr>
<tr>
<td></td>
<td>LAN</td>
<td>2 x GbE RJ-45</td>
</tr>
<tr>
<td></td>
<td>Power</td>
<td>3-pin connector header, DC power input</td>
</tr>
<tr>
<td>Storage</td>
<td>Remote Power Switch</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Solid State Drive Options</td>
<td>32 GB SSD, 1 x 2.5” SATA 2, MLC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>64 GB SSD, 1 x 2.5” SATA 2, MLC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>128 GB SSD, 1 x 2.5” SATA 2, MLC</td>
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<td></td>
<td></td>
<td>256 GB SSD, 1 x 2.5” SATA 2, MLC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>512 GB SSD, 1 x 2.5” SATA 2, MLC</td>
</tr>
<tr>
<td></td>
<td>SD Card Slot</td>
<td>N/A</td>
</tr>
<tr>
<td>Expansion</td>
<td>Expansion Slot</td>
<td>Optional Wi-Fi kit (Wi-Fi card and antenna)</td>
</tr>
<tr>
<td>Touch Screen</td>
<td>Type</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Interface</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Light Transmission</td>
<td>N/A</td>
</tr>
<tr>
<td>Electrical</td>
<td>Input Voltage</td>
<td>9–36 VDC</td>
</tr>
<tr>
<td></td>
<td>Input Current</td>
<td>0.49 – 1.97 A</td>
</tr>
<tr>
<td></td>
<td>Input Power</td>
<td>17.8 W Max.</td>
</tr>
<tr>
<td>Mechanical</td>
<td>Construction</td>
<td>Dark grey aluminum heatsink, black steel chassis</td>
</tr>
<tr>
<td></td>
<td>Rating</td>
<td>IP30</td>
</tr>
<tr>
<td></td>
<td>Mounting</td>
<td>Wall Mount (Wall mounting hardware not included)</td>
</tr>
<tr>
<td></td>
<td>Dimension (W x H x D)</td>
<td>8.15 x 5.12 x 1.40 inches [207 x 130 x 35.5 mm]</td>
</tr>
<tr>
<td>Environmental</td>
<td>Net Weight</td>
<td>2.20 lbs [1 kg]</td>
</tr>
<tr>
<td></td>
<td>Operating Temperature</td>
<td>32–122°F [0–50°C]</td>
</tr>
<tr>
<td></td>
<td>Storage Temperature</td>
<td>-22–158°F [-30–70°C]</td>
</tr>
<tr>
<td></td>
<td>Storage Humidity</td>
<td>10 to 90% @ 40°C, non-condensing</td>
</tr>
<tr>
<td>Operating System</td>
<td>Certification</td>
<td>CE / FCC Class A / RoHS</td>
</tr>
<tr>
<td></td>
<td>Microsoft Windows Options</td>
<td>Microsoft Windows® Embedded Standard 7 32-bit or 64-bit (WS7P)</td>
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<tr>
<td></td>
<td></td>
<td>Microsoft Windows® 7 Pro for Embedded 32-bit or 64-bit (FES 7 Pro)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Microsoft Windows® 10 IoT Enterprise Embedded 2016 32-bit or 64-bit (EPKEA)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Microsoft Windows® 10 IoT Enterprise 2016 LTSB 32-bit or 64-bit (PKEA)</td>
</tr>
<tr>
<td>Notes</td>
<td>Specifications subject to change without notice.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>* 8GB RAM option requires selection of 64-bit Operating System.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>** Additional SSD options available; contact Maple Systems for details.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*** 32-bit or 64-bit Operating System must be specified at the time the order is placed.</td>
<td></td>
</tr>
</tbody>
</table>
BPC2310A DIMENSIONS

Dimensions are in inches [mm]

A  4 x Wall Mount Screw Holes  G  DC Power Connector
B  Line-In  H  DE9P Serial Port COM3
C  2 x USB 3.0 Host Ports  I  DE9P Serial Port COM2
D  2 x Gigabit Ethernet Ports  J  DE9P Serial Port COM1
E  VGA Port  K  4 x USB 2.0 Host Ports
F  HDMI Port  L  Power Button
## BPC2311A SPECIFICATIONS

<table>
<thead>
<tr>
<th>System</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CPU</strong></td>
<td>Intel® Celeron N2930 1.83GHz CPU processor</td>
</tr>
<tr>
<td>System Chipset</td>
<td>SoC</td>
</tr>
</tbody>
</table>
| **System Memory Options** | 4GB DDR3L RAM, 1 x 204-pin SO-DIMM  
                           8GB DDR3L RAM, 1 x 204-pin SO-DIMM |
| USB             | 2 x USB 3.0 type A  
                           4 x USB 2.0 type A |
| **Serial**      | COM1: RS-232/422/485 DE-9P (default RS-232)  
                           COM2: RS-232 DE-9P |
| **Audio**       | 1 x 3.5 mm line out  
                           1 x HDMI® port  
                           1 x VGA port |
| **Display Interface** | 1 x HDMI® port  
                           1 x VGA port |
| **LAN**         | 2 x GbE RJ-45 |
| **Power**       | 3-pin connector header, DC power input |
| Remote Power Switch | N/A |
| **Storage**     |          |
| **Solid State Drive Options** | 32 GB SSD, 1 x 2.5” SATA 2, MLC  
                           64 GB SSD, 1 x 2.5” SATA 2, MLC  
                           128 GB SSD, 1 x 2.5” SATA 2, MLC  
                           256 GB SSD, 1 x 2.5” SATA 2, MLC  
                           512 GB SSD, 1 x 2.5” SATA 2, MLC |
| SD Card Slot    | N/A |
| **Expansion**   |          |
| **Expansion Slot** | Optional Wi-Fi kit (Wi-Fi card and antenna) |
| **Touch Screen**|          |
| **Type**        | N/A |
| **Interface**   | N/A |
| Light Transmission | N/A |
| **Electrical**  |          |
| Input Voltage   | 9–36 VDC |
| Input Current   | 0.47 – 1.88 A |
| Input Power     | 17 W Max. |
| **Construction**| Dark grey aluminum heatsink, black steel chassis |
| Rating          | IP30 |
| **Mechanical**  |          |
| **Mounting**    | Wall Mount (Wall mounting hardware not included)  
                           DIN-Rail Mount optional (DIN-Rail kit sold separately) |
| Dimension (W x H x D) | 9.65 x 5.12 x 1.40 inches [245 x 130 x 35.5 mm] |
| **Environmental** |          |
| **Operating System** | CE / FCC Class A / RoHS  
                           Microsoft Windows® Embedded Standard 7 32-bit or 64-bit (WS7P)  
                           Microsoft Windows® 7 Pro for Embedded 32-bit or 64-bit (FES 7 Pro)  
                           Microsoft Windows® 10 IoT Enterprise Embedded 2016 32-bit or 64-bit (PEKEA)  
                           Microsoft Windows® 10 IoT Enterprise 2016 LTSB 32-bit or 64-bit (PKEA) |
| **Operating System Options** |          |
| **Notes**       | Specifications subject to change without notice.  
                           * 8GB RAM option requires selection of 64-bit Operating System.  
                           ** Additional SSD options available; contact Maple Systems for details.  
                           *** 32-bit or 64-bit Operating System must be specified at the time the order is placed.
BPC2311A DIMENSIONS
(WALL MOUNTING OPTION – DEFAULT)

A  SSD Drive Bay  G  HDMI Port
B  Wall Mount Brackets  H  DC Power Connector
C  Line-In  I  Power Button
D  2 x USB 3.0 Host Ports  J  4 x USB 2.0 Host Ports
E  2 x Gigabit Ethernet Ports  K  DE9P Serial Port COM1
F  VGA Port  L  DE9P Serial Port COM2
OVERVIEW OF BPC2300 SERIES

The BPC2300 series Box PC is available in two base configurations: BPC2310A (Wall-Mount) and BPC2311A (Wall or DIN-Rail Mount). The BPC 2300 Series is fanless and compact, powered by the Intel® Celeron N2930 1.83 GHz quad-core processor. Memory options include 4GB or 8GB of DDR3L 1600MHz RAM. Solid State Drive options include sizes from 32GB to 512GB (Other options may be available; contact Maple Systems for details).

BPC2300 Series units have 2 x USB 3.0 ports, 4 x USB 2.0 ports, 1 x VGA, 1 x HDMI, 1 x Line-Out, 1 x Illuminated power button, and 2 x DE-9P serial ports (3 x DE-9P serial ports on BPC2310A).

Both the BPC2310A and BPC2311A units can be equipped with a Wi-Fi antenna, enabling access to existing 802.11 b/g/n wireless networks.
BOX PC MOUNTING OPTIONS

WALL MOUNTING

The Box PC can be wall mounted using the mounting holes located on the sides of the unit’s rear plate. Wall mounting hardware not included. Use mounting hardware appropriate to and suitable for the application; Maple Systems is not responsible for damage to unit, mounting surface or any other components caused by improper mounting.

DIN-RAIL MOUNTING (BPC2311A)

The BPC2311A can be mounted to a standard 35mm DIN Rail with the DIN Rail Mounting Kit (Maple Systems P/N 2236-0001, sold separately). This allows for easy mounting to a DIN Rail; proper orientation of DIN rail mounted unit is shown below.

![DIN Rail Mounting Diagram]

The DIN Rail kit is designed to only install with the correct orientation. If improperly mounted or installed, damage to the Box PC may result. Maple Systems is not responsible for damage to unit, mounting surface or any other components caused by improper mounting.

EXTERNAL MONITORS

BPC2300 Series units operate with an external display or touch monitor via the VGA or HDMI interface, allowing for endless user-customization options. This flexibility greatly enhances the options for in-field use; the monitor can be in a completely different room than the Box PC if needed.

The Box PC Series units can operate with a standard monitor connected to the VGA port, or via touch-screen monitor connected to the HDMI® port (touch screen monitor functionality may require installation of drivers – consult your monitor’s documentation), or both!

Since the Box PC units run the Microsoft Windows® family of Operating Systems, users will see a familiar operating environment and usage. Windows® allows for many customizable viewing options; multiple monitor functionality, duplicate desktop / desktop extension, desktop rotation and more.

Maple Systems offers several monitor options that seamlessly integrate with your Box PC – visit our website at www.maplesystems.com or contact your Maple Systems Sales Engineer for additional information.
I/O PORTS

HDMI®
Connector Type: High Definition Multimedia Interface® Port

VGA
Connector Type: DE15P Video Graphic Array Port

COM1-COM3:
Connector Type: DE9P Male Serial Ports

<table>
<thead>
<tr>
<th>Pin #</th>
<th>COM1* (RS-232 Default)</th>
<th>COM2 (RS232)</th>
<th>COM3 (RS232)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DCD</td>
<td>422_TX-</td>
<td>485-</td>
</tr>
<tr>
<td>2</td>
<td>RXD</td>
<td>422_TX+</td>
<td>485+</td>
</tr>
<tr>
<td>3</td>
<td>TXD</td>
<td>422_RX+</td>
<td>NC</td>
</tr>
<tr>
<td>4</td>
<td>DTR</td>
<td>422_RX-</td>
<td>NC</td>
</tr>
<tr>
<td>5</td>
<td>GND</td>
<td>GND</td>
<td>GND</td>
</tr>
<tr>
<td>6</td>
<td>DSR</td>
<td>NC</td>
<td>NC</td>
</tr>
<tr>
<td>7</td>
<td>RTS</td>
<td>NC</td>
<td>NC</td>
</tr>
<tr>
<td>8</td>
<td>CTS</td>
<td>NC</td>
<td>NC</td>
</tr>
<tr>
<td>9</td>
<td>RI</td>
<td>NC</td>
<td>NC</td>
</tr>
</tbody>
</table>

* Refer to “Setting COM1 Function” to set the communication mode.
USB 3.0

BPC2300 Series models have 2 x USB 3.0 Type A Host Ports

![USB 3.0 Ports](image)

**Note:** USB 3.0 allows data transfers up to 5Gb/s, full-speed, and low-speed signaling. The current limit is 2.0A

USB 2.0

BPC2300 Series models have 4 x USB 2.0 Type A Host Ports

![USB 2.0 Ports](image)

**Note:** USB 2.0 allows data transfers up to 480Mb/s, full-speed, and low-speed signaling. The current limit is 2.0A

LAN1 AND LAN2:

Standard 10/100/1000M RJ-45 Ethernet ports, LINK LED (green) and ACTIVE LED (yellow) respectively located at the left-hand and right-hand side of the Ethernet port indicate the activity and transmission state of the network.

![Ethernet Ports](image)

LINE-OUT

Connector Type: 3.5mm audio jack. Line out HD Audio port can be connected to a headphone or amplifier.
SETTING COM1 FUNCTION

The Box PC's COM1 Serial Port is configured by default as RS232, but can be configured for RS422 (4-wire) and RS485 (2-wire) operation if so desired. COM1 port configuration is managed through the BIOS; see the below table for instructions on changing COM1 port mode.

**Note:** COM1 is the only port that can be configured for RS422 or RS485 operation; COM2 and COM3 are exclusively configured for RS232 operation.

1. Power up the Box PC; connect a USB keyboard to the unit and connect a display via HDMI or VGA.

2. Enter the BIOS Setup Utility to select the desired communication mode by pressing the [Delete] key during POST. The Main menu containing the system summary information will appear.

3. Set the “Serial Port 1 Configuration” to the desired COM1 communication mode as follows:
   - Advanced tab
   - NCT6106D Super IO Configuration
   - Serial Port 1 Configuration
     - COM4 Mode Selection:
       - [RS-232]
       - [RS-485]
       - [RS-422]
   - Save and Exit to restart
INSTALLATION OF DRIVERS

Equipment required:

- Box PC Support DVD
- USB External DVD drive

Instructions:

1. Plug in the USB external DVD drive into one of the USB ports.
2. Load the Box PC support DVD into the external drive.
3. Access the Box PC support DVD and open the folder corresponding to your Box PC OS.
4. Follow the installation instructions below for each driver that needs to be installed.
5. We recommend that you restart your computer when prompted, and after completion of all driver installations.

Note: some screens pictured below may vary slightly depending on the model.

WINDOWS 7 DRIVER INSTALLATION

CHIPSET

1. Open the following file:
   Drivers\Chipset\Setup.exe.

   Here is Initial Installation screen. Please make sure you save and exit all other programs before install.

   Click Next.
2. Read the license agreement.
   Click Accept to accept all of the terms of the license agreement.

3. Click Install to begin the driver installation.

4. Click Finish to complete the installation process and to exit the wizard.
VGA

1. Open the following file:
   
   Drivers\Graphic\Intel_VGA(Win7)\32\Setup.exe.
   
   Or
   
   Drivers\Graphic\Intel_VGA(Win7)\64\Setup.exe.
   
   **Note:** select 32 or 64 bit based upon your OS.
   
   Click **Next**.

2. Read the license agreement.
   
   Click **Accept** to accept all of the terms of the license agreement.

3. Click **Next** to continue.
4. Click **Next** to continue.

5. If prompted with a Windows Security prompt, click **Install**.

6. Click **Install** at the next Windows Security prompt.

7. Click **Next** to continue the installation.

8. Select Yes, I want to restart this computer now.

   Click **Finish** to complete the installation, exit the wizard and restart the PC.
HD AUDIO

1. Open the following file:
   Drivers\Audio\Setup.exe
   
   Click **Next** to continue.

2. Click **Next** to continue and begin the installation process.

3. Select Yes, I want to restart this computer now.
   
   Click **Finish** to complete the installation and exit the wizard.
### TXE

1. Open the following file: Drivers\INTEL_TXE\ Setup.exe
   
   Click **Next** to continue.

2. Read the License Agreement.
   
   Choose **Accept** to accept all of the terms of the license agreement.
   
   Click **Next** to begin the installation process.

3. Click **Next** to continue.

4. Click **Finish** to complete the installation and exit the wizard.
LAN

1. Open the following file:
   Drivers\LAN\32Bit\ Setup.exe
   Or
   Drivers\LAN\64Bit\ Setup.exe
   **Note**: select 32 or 64 bit based upon your OS.
   Click **Next** to continue.

2. Read the license agreement.
   Select **I accept the terms in the license agreement** to proceed.
   Click **Next**.

3. Select the **Drivers**, **Intel PROSet**, and **Advanced Network Services** options.
   Click **Next** to continue.
4. Click **Install** to begin the installation process.

5. Click **Finish** to complete the installation and exit the wizard.
USB 3.0

1. Open the following file:
   Drivers\USB3\Setup.exe
   
   Click **Next** to continue.

2. Read the license agreement.
   
   Select **Yes** to accept the terms in the license agreement and proceed.

3. Click **Next** to continue.
4. Click **Next** to continue.

5. Select **Yes, I want to restart the computer now**.
   
   Click **Finish** to complete the installation, exit the wizard and reboot the PC.
Wi-Fi

1. Open the following file: Drivers\Wi-Fi\Setup.exe

   The Driver Installation process starts automatically.

   Select **Yes, I want to restart my computer now.**

   Click **Finish** to complete the installation process, exit the wizard and reboot the PC.
1. Open the following file: Drivers\COM\Setup.exe
   Click **Next** to begin the installation.

2. Select **Yes, I want to restart my computer now**.
   Click **Finish** to complete the installation.

3. Click **Finish** to exit the wizard and reboot the PC.
# WINDOWS 10 DRIVER INSTALLATION

## CHIPSET

1. Open the following file: `Drivers\Chipset\Setup.exe`
   
   Please make sure you save and exit all other programs before install.
   
   Click **Next**.

2. Read the license agreement.
   
   Click **Accept** to accept all of the terms of the license agreement.

3. Click **Install** to begin the installation.

4. Click **Finish** to complete the setup process.
VGA

1. Open the following file: Drivers\VGA\Setup.exe
   Please make sure you save and exit all other programs before beginning install.
   Click Next.

2. Select the automatically run option.
   Click Next to setup program.

3. Read the license agreement.
   Click Yes to accept all of the terms of the license agreement.
4. Click **Next** to continue.

5. Click **Next** to continue.

6. Select **Yes, I want to restart this computer now**.
   
   Click **Finish**, then remove any installation media from the drives.
HD AUDIO

1. Open the following file: Drivers\Audio\Setup.exe
   Please make sure you save and exit all other programs before beginning install.
   
   Click Next.

2. Select Yes, I want to restart this computer now.
   
   Click Finish to complete the installation.
TXE

1. Open the following file:
   Drivers\TXE\Setup.exe
   
   Please make sure you save and exit all other programs before beginning install.
   
   Click **Next**.

2. Read the license agreement.
   
   Choose **Accept** and click **Next** to accept all of the terms of the license agreement.

3. Click **Finish** to complete the installation.
LAN

1. Open the following file:
   - Drivers\LAN\32\Setup.exe
   - Or
   - Drivers\LAN\64\Setup.exe  
   **Note:** select 32 or 64 bit based upon your OS.
   - Click **Next** to continue.

2. Read the license agreement.
   - Select **I accept the terms in the license agreement**.
   - Click **Next**.

3. Click **Next** to continue.
4. Click **Install** to begin the installation.

5. Click **Finish** to exit the wizard.
USB 3.0

1. Open the following file:
   Drivers\USB 3.0\Setup.exe
   Click **Next** to continue.

2. Read the license agreement.
   Click **Yes** to accept the license agreement and continue.

3. Click **Next** to continue.
4. Click **Next** to continue.

5. Select **Yes, I want to restart this computer now**.

   Then click **Finish** to complete the installation process and reboot the computer.
Wi-Fi

1. Open the following file:
   Drivers\Wi-Fi\Setup.exe

   The Driver Installation process starts automatically.

   Select **Yes, I want to restart my computer now.**

   Click **Finish** to complete the installation process, exit the wizard and reboot the PC.
COM

1. Open the following file: Drivers\Com Driver\Setup.exe
   Click **Next** to continue.

2. Click **Install** to begin the installation process.

3. Click **Finish** to complete the installation.
OPERATING SYSTEM OPTIONS

The BPC series Box PCs can be purchased with the following operating systems pre-installed:

- Windows Embedded Standard 7 (WS7P)
- Windows 7 Pro For Embedded Systems (FES7)
- Windows 10 IoT Enterprise 2016 LTSB (ESD)
- Windows 10 IoT Enterprise Embedded 2016 LTSB (ESD)

WINDOWS EMBEDDED STANDARD 7

Windows Embedded Standard 7 is a modified version of Windows 7 designed to have a smaller memory footprint and be less resource intensive than a regular Windows 7 image. Most applications that are built for Windows 7 Pro will run on Windows Embedded Standard 7.

WINDOWS 7 PROFESSIONAL FOR EMBEDDED SYSTEMS

Windows 7 Professional for Embedded is the same operating system that would be installed on a typical PC. It provides the most flexibility but will have the largest memory and CPU footprint. Any software that can run on a Windows 7 PC can be loaded onto a Box PC running Windows 7 Pro.

WINDOWS 10 IOT ENTERPRISE 2016 LTSB

Windows 10 IoT Enterprise LTSB is a full Professional version of Windows 10, available on all Box PC models. This powerful operating system delivers enterprise manageability and security to IoT solutions. Additionally, all of the features and functionality that customers expect to find on their desktop PC are available in this version. The Long Term Servicing Branch (LTSB) version ensures long term stability that critical production systems require by updating only necessary operating system components, with significantly fewer update interruptions.

Included Apps:

- Internet Explorer
- MS Word Viewer
- Adobe PDF Reader
- MS PowerPoint Viewer
- MS Excel Viewer
- Media Player
WONDERWARE / INDUSOFT WEBSTUDIO

All of the Box PCs are compatible with Wonderware / Indusoft Web Studio. The choice of operating system will determine the target platform and runtime license required as shown in the chart below:

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Runtime License*</th>
<th>Target Platform</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows Embedded Standard 7</td>
<td>EmbeddedView … for Windows Embedded</td>
<td>Windows</td>
</tr>
<tr>
<td>Windows 7 Pro</td>
<td>… for Windows</td>
<td>Windows</td>
</tr>
<tr>
<td>Windows 10 IoT Enterprise</td>
<td>…for Embedded view..for windows Embedded</td>
<td>Windows</td>
</tr>
</tbody>
</table>

* There are multiple options for each operating system indicated by “…” in the chart above. Refer to the Indusoft Web Studio price list for details.

For Windows Embedded Standard 7 and Windows 7 Pro, install Web Studio directly on the Panel PC. The installer can be transferred with a USB flash drive. It is possible to install only the runtime files.

For Windows 10 IoT Enterprise LTSB, install the Embedded View runtime by copying CEServer.exe from your C:\Program Files (x86)\InduSoft Web Studio v8.1\Redist\WinEmbedded\Bin to the BPC system files.