Optimized process visualization with Assembly Control Node

The new generation of industrial PCs
Meet your needs and highest expectations in visualization of industrial assembly processes:

Assembly Control Node

The new Atlas Copco series of industrial PCs Assembly Control Node (AC Node) will convince you in your assembly line of its extreme robustness, compatibility, performance, flexibility and system stability. Regardless of which of the four AC Node models you choose: it supports your digitalization and Industry 4.0 efforts on your assembly line, provides process transparency and improves your productivity.

Excellent performance and premium quality
This state-of-the-art industrial PC series AC Node only uses high-value components perfectly aligned for optimal performance. Depending on your needs, you can choose from different performance levels, starting with a basic Intel® Celeron® CPU and extending to the powerful Intel® Core™ i7 CPU.

Robust and user-friendly design
The impact-resistant and high-contrast multi-touch display with an IP65-protection class offers user-friendly handling even with gloves. The closed construction even allows application in critical areas where splashing water, vibrations, dust, or even acids may attack the industrial PC. Thanks to their slim design, all AC Node models convince with an easy mounting and a fantastic look-and-feel.

Flexibility and expandability
For the highest usability, standardized components allow retrofit and upgrade at any time. The Assembly Control Node offers effortless increase of disk capacity and free choice of power supply (AC/DC).

Human Interaction  Improved Productivity  Increased Uptime

Intel, Celeron and Intel Core are trademarks of Intel Corporation or its subsidiaries.
Your benefits

- Light weight and robust design
- Easy connectivity to shop floor systems
- Made for rough industrial environments
- Short delivery time
Discover the technical side of AC Node

The slim design of the AC Node allows easy mounting by only one person.
Features

A. High-resolution and impact-resistant display
B. RFID / NFC reader
C. Many connection options
D. Flexible connection bracket (suspended and upright assembly)
E. Variable power supply 24V input DC or 100-240V input AC
F. Fanless cooling
Wide range for full flexibility

The four models are tailored to your requirements in production and assembly.

Basic
- Entry-level solution
- Optimal for operator guidance
- Power supply 24V DC

Value
- Entry-level solution
- Optimal for operator guidance
- Bluetooth, WiFi client and WiFi access point
- RFID / NFC reader
- Power supply 24V DC or 100-240V AC
Value Pro

- Sophisticated applications with increased computing power of Intel® Core™ i5 processor
- For complex operator guidance with parallel running processes
- Bluetooth, WiFi client and WiFi access point
- RFID / NFC reader
- Power supply 24V DC or 100-240V AC

Performance

- For most complex application with maximum computing power of Intel® Core™ i7 processor:
  - Multiple graphics processing
  - Process control
  - Operator guidance and rework
- Bluetooth, WiFi client and WiFi access point
- RFID / NFC reader
- Power supply 24V DC or 100-240V AC
<table>
<thead>
<tr>
<th></th>
<th>Basic</th>
<th>Value</th>
<th>Value Pro</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display</strong></td>
<td>21.5” Full HD (1920 x 1080); aspect ratio 16:9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Processor</strong></td>
<td>Intel® Celeron® G3900 2MB Cache, 2,8 GHz</td>
<td>Intel® Celeron® G3900 2MB Cache, 2,8 GHz</td>
<td>Intel® Core™ i5-7500, 6 MB Cache, up to 3,80 GHz</td>
<td>Intel® Core™ i7-7700 8 MB Cache, up to 4,20 GHz</td>
</tr>
<tr>
<td><strong>RAM</strong></td>
<td>8 GB DDR4-2400 64Bit</td>
<td>8 GB DDR4-2400 64Bit</td>
<td>16 GB DDR4-2400 64Bit</td>
<td>16 GB DDR4-2400 64Bit, optional 32GB</td>
</tr>
<tr>
<td><strong>Disc space</strong></td>
<td>128 GB SolidStateDisk</td>
<td>128 GB SolidStateDisk</td>
<td>256 GB SolidStateDisk</td>
<td>512 GB SolidStateDisk (2 x 256 GB RAID 0, RAID 1)</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>24V DC (delivery without internal power supply)</td>
<td>24V DC &amp; 100-240V AC</td>
<td>24V DC &amp; 100-240V AC</td>
<td>24V DC &amp; 100-240V AC</td>
</tr>
<tr>
<td><strong>Interfaces</strong></td>
<td>4x USB 3.0, 2x USB 2.0, 3x COM RS232, 4x LAN Gigabit Intel i210-AT, 1x Bus RJ45, 1x HDMI 1.4, 1x Display Port</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>WiFi &amp; access point</strong></td>
<td>none</td>
<td>WLAN Client Interface (802.11 a/b/g/n)</td>
<td>WLAN Client Interface (802.11 a/b/g/n)</td>
<td>WLAN Client Interface (802.11 a/b/g/n)</td>
</tr>
<tr>
<td><strong>Bluetooth</strong></td>
<td>none</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td><strong>Protection class</strong></td>
<td>none</td>
<td></td>
<td></td>
<td>IP65</td>
</tr>
<tr>
<td><strong>User identification</strong></td>
<td>none</td>
<td>RFID reader 13,56MHz and 125 KHz / 134,2 KHz</td>
<td>RFID reader 13,56MHz and 125 KHz / 134,2 KHz</td>
<td>RFID reader 13,56MHz and 125 KHz / 134,2 KHz</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>524.50 mm</td>
<td>384.60 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ambient working temperature</strong></td>
<td>0° to 40°C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>9.5 kg</td>
<td>9.94 kg</td>
<td>9.94 kg</td>
<td>9.94 kg</td>
</tr>
<tr>
<td><strong>Operating system</strong></td>
<td>Windows 10 IoT Enterprise / 64bit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ordering No.</strong></td>
<td>8434 2301 10</td>
<td>8434 2301 20</td>
<td>8434 2301 30</td>
<td>8434 2301 40</td>
</tr>
</tbody>
</table>

Intel, Celeron and Intel Core are trademarks of Intel Corporation or its subsidiaries.