

Atlas Copco

ASSEMBLY CONTROL NODE

Atlas Copco

RFID

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



Your benefits

- Light weight and robust design
- Easy connectivity to shop floor systems
- Made for rough industrial environments
- Short delivery time

ASSEMBLY CONTROL NODE

Scalable Quality Solution 3

09.04.2020 14:04:55

Product ID BCP0020130

Seq. No. XXXX

Release

License Update

DataRepo Barcode

Tool

Please fasten the cover according to the sequence
The tool will be locked unless you are in the right position

Overall status

Last 3 results

Bolt	Status	Torque	Angle
CHC-0589.07	NYD	0,00	0,00
CHC-0589.02	NOK	5,58 Nm	58°
CHC-0589.03	OK	15,58 Nm	124°

Press to call Supervisor

Atlas Copco

RFID



LH4743

1. Link Arm

35.08 Nm

Tightening OK

LH4743

36.80

29.16

21.45

13.74

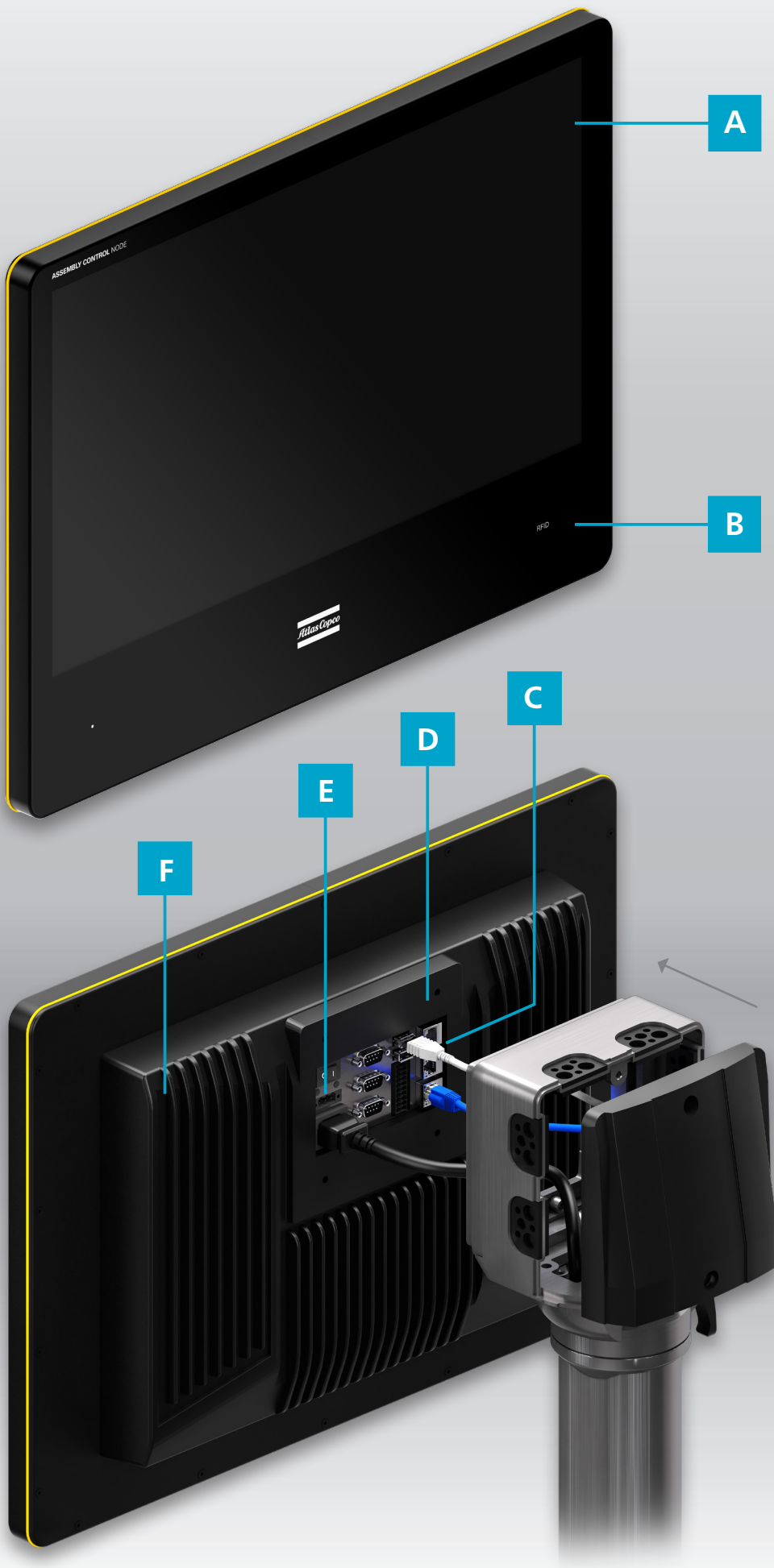
6.03

-1.68

2 61 120

POWER

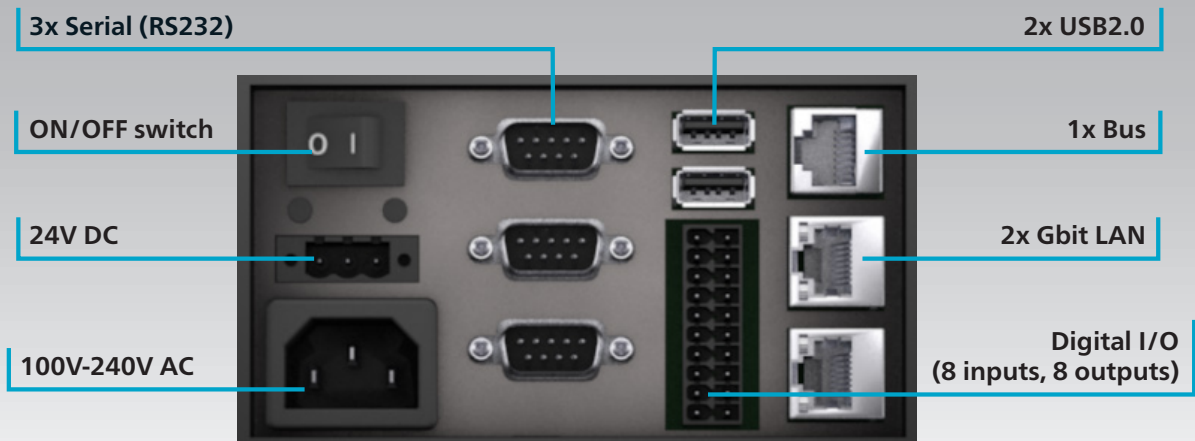
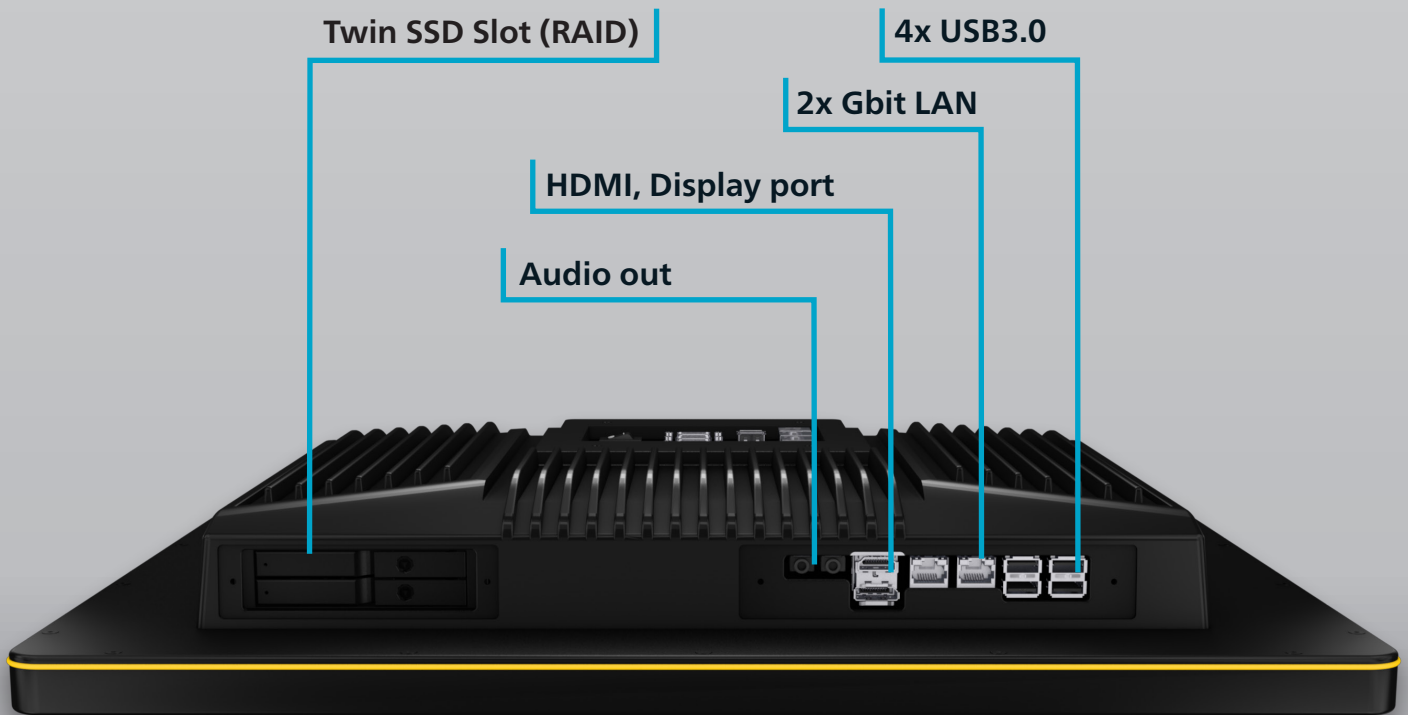
Discover the technical side of AC Node



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



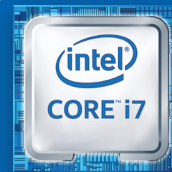
Value

- 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



	Basic	Value	Value Pro	Performance
Display	21.5" Full HD (1920 x 1080); aspect ratio 16:9			
Processor	Intel® Celeron® G3900 2MB Cache, 2,8 GHz	Intel® Celeron® G3900 2MB Cache, 2,8 GHz	Intel® Core™ i5-7500, 6 MB Cache, up to 3,80 GHz	Intel® Core™ i7-7700 8 MB Cache, up to 4,20 GHz
RAM	8 GB DDR4-2400 64Bit	8 GB DDR4-2400 64Bit	16 GB DDR4-2400 64Bit	16 GB DDR4-2400 64Bit, optional 32 GB
Disc space	128 GB SolidStateDisk	128 GB SolidStateDisk	256 GB SolidStateDisk	512 GB SolidStateDisk (2 x 256 GB RAID 0, RAID 1)
Power supply	24V DC (delivery without internal power supply)	24V DC & 100-240V AC	24V DC & 100-240V AC	24V DC & 100-240V AC
Interfaces	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			
WiFi & access point	none	WLAN Client Interface (802.11 a/b/g/n)	WLAN Client Interface (802.11 a/b/g/n)	WLAN Client Interface (802.11 a/b/g/n)
Bluetooth	none	x	x	x
Protection class	IP65			
User identification	none	RFID reader 13,56MHz and 125 KHz / 134,2 KHz	RFID reader 13,56MHz and 125 KHz / 134,2 KHz	RFID reader 13,56MHz and 125 KHz / 134,2 KHz
Dimensions	<p>524.50 mm 384.60 mm 21.5" Basic, Value, Value Pro, Performance Depth of display unit 23.00 mm Depth incl. PC unit 79.00 mm</p>			
Ambient working temperature	0° to 40°C			
Weight	9.5 kg	9.94 kg	9.94 kg	9.94 kg
Operating system	Windows 10 IoT Enterprise / 64bit			
Ordering No.	8434 2301 10	8434 2301 20	8434 2301 30	8434 2301 40

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