

# JAO21

21.5" Smart Terminal for the patient bedside



- **Designed for patient infotainment at the bedside**
- **Multi-touch screen LED panel**
- **With optional integrated barcode scanner**
- **With a range of customization options**

Barco's JAO21 bedside terminal has been specifically designed for use in a clinical environment - by patients as well as clinical staff. It offers multi-touch access to a host of tools and services - all presented on a high-quality LED panel for the best viewing comfort.

### **Designed for the patient room**

Featuring an easy-clean design, and a front screen that is IP-65 rated, this bedside terminal fully complies with the latest hygiene and safety standards (EN/UL 60601-1 certified\*).

### **Engaging and empowering patients**

JAO21 brings patients everything they need for an incredible infotainment experience. Thanks to this bedside device, patients won't have to miss their favorite TV or radio show while in the hospital. They can surf the net, play games, order video-on-demand, and much more. The terminal's full HD video playback capabilities and HDM™ input to connect game consoles, Blu-ray players, smartphones, or tablets all contribute to keeping your patients happy during their hospital stay.

### **A personalized patient experience**

You can order JAO21 with a smart handset, featuring an integrated keypad and optional service call button to boost patient comfort even more. Thanks to the integrated smart card and RFID reader for patient authentication, patients can access a host of personalized services, such as meal ordering, medication information, and information about the care team. That's exactly how JAO21 enables the most personalized patient experience.

### **At your service, for your convenience**



JAO terminals have been designed by experts in software for interactive patient care. It means we know how to make hardware and software work together. With our software development kit, we provide the perfect tool for any patient room. What's more, thanks to our Custom Configuration Program, we can customize every bedside terminal to match your specific needs.

\*In combination with external peripherals, including the JAOHandset, IEC 60950-1 certified instead.

Please consult your Barco representative or distributor in your country or territory to confirm availability. A reference to any product or service on this site does not imply that such product is or will be available in your location.

## Product specifications

## JAO21

### General specifications

Size	21.5"
Type	a-Si TFT-LCD
Viewing Angle	89/89/89/89 (Typ.)(CR10)
Luminance	250 cd/m <sup>2</sup> (Typ.)
Resolution	FHD (1920x1080)
Backlight	WLED [17S4P] , 30K hours
Touch Screen	PCAP multi-touch with 10 fingers (supports gloves touch)
Software Driver	Linux / Windows
CPU	Intel Kabylake-U 3965U on board
System Memory	2x DDR4 slots, Up to 32G ( Factory default is 4GB)
3D Graphics	Integrated Intel Graphic
Speaker	Speaker 2W*2
Storage	M.2 SSD (Factory default 64GB )
Connectivity	1x Intel GbE LAN
Wi-Fi / BT	Wifi 802.11 a/b/g/n/ac +Bluetooth 4.2
Power Input	Input: 100~240 Vac / 50~60Hz ; Output: 90W Medical Adapter (19V @ 4.74 A Adapter)
Operating System -Primary	Ubuntu LTS 16.04 or after
Operating System -Secondary	Windows 10 IoT
Web camera/Microphone	2M webcam with Digital Mic, with Camera private latch
User Access I/O	<ul style="list-style-type: none"><li>4x USB3.0 Type A on bottom</li><li>1x (3in1) Audio Earphone Jack + 1 x (stereo) Audio Earphone Jack</li><li>1x HDMI input</li><li>1x USB 2.0 Type on Side Panel</li></ul>
AR55 Mounting I/O	<ul style="list-style-type: none"><li>1x Power Jack</li><li>1x RJ45</li><li>1x USB3.0 Type A</li><li>1x 6P6C RJ11 service call</li></ul>
RFID / Smart Card Reader	<ul style="list-style-type: none"><li>Combo Smart card + High frequency RFID reader</li><li>Optional 2nd Smart Card Reader</li><li>RFID reader supports both RFID card tapping and parking</li></ul>
Audio Jack	<ul style="list-style-type: none"><li>USB Audio Chip</li><li>Dual Earphone Jacks, one with Mic input</li></ul>
Materials	<ul style="list-style-type: none"><li>Easy wipe design and anti-bacterial PC-ABS Plastic</li><li>Metal Bracket</li></ul>
Color	<ul style="list-style-type: none"><li>Chassis plastic housing: Barco White</li><li>Touch border: Black, Pantone#: RAL9004</li><li>Logo and icon screening texture: Pantone#: RAL7047</li></ul>
Mounting	75x75 & 100x100mm VESA mounting, Compatible with AR55 Arm Head
Cooling	Fanless
Dimensions	529.8 mm x 346.7 mm x 45 mm (20.9 in x 13.6 in x 1.8 in)
Weight	<ul style="list-style-type: none"><li>Without JAOHandset: 5.92 kg (13.05 lbs)</li><li>With JAOHandset: 6.4 kg (14.11 lbs)</li></ul>
IP rating	IP65 front
Phone Cradle & Smart Handset	Separated Packing for Phone cradle with JAOHandset
Operation Temperature	0~40°C (20~80 % RH, non-condensing)
Storage Temperature	-20~50°C (20~80 % RH, non-condensing)
Package Drop	Follows ISTA 2A STD IEC60068-2-32, 1 corner, 3 edges and 6 faces

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### Certifications

European standards applied:

Product safety:

- EN 60601-1: 2006+ A11: 2011 + A1: 2013+ A2: 2014

EMC:

- EN 60601-1-2: 2015
- EN 301 489-1: V2.2.3
- EN 301 489-17: V3.2.2

European harmonized standards applied

Product safety:

- EN 62368-1

Radio:

- EN 300 328: V2.2.2
- EN 301 893: V2.1.1

Health:

- EN 62311:2008

RoHS:

- EN 63000:2018

Australia/ New Zealand Certification :

- Transfer CE to AU AS/NZS 4268, and include WIFI 5GHz Band 4
- RCM SDoC

### Accessories included in the packing

PSU

- 90W Medical Adapter (19V @ 4.74 A Adapter)
- EU Power Cord
- Power Cable extended cable

### Ordering Information

JAO21 · ST215AIPC001 -JAO 21 with 4GB, RFID(HF)/SCR Combo

· ST215AIPC002 -JAO 21 with 8GB, RFID(HF)/SCR Combo

· ST215AIPC003 -JAO 21 with 4GB, RFID(HF)/SCR Combo + 2nd SCR

JAO Handset · HS215AIPC001 -JAOHandset for JAO21

· HS215AIPC002 -JAOHandset for JAO21 (service call)

Ergonomics for JAO21 Smart Terminals · ARS5W5IPC000 -ARS5 VESA Swivel Arm

· WB12WTIPC000 -AC-WB12 Wall Box

### Optional accessories

Optional Extended Cables for ARS5

- USB Cable x1
- RJ11 6P6C Cable x1
- RJ45 Cable x1

VESA Mounting Screws

- 2x Thumbscrew

### Warranty

24-months standard warranty Up to 5-years extended warranty contracts available

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