

# JAO18 - MKII

18.5" 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 JAO18 MKII 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 anti-bacterial plastics, 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**

JAO18 MKII 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 HDMI™ 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 JAO18 MKII 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 JAO18 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****JAO18 - MKII**

General specifications	
Size	18.5"
Type	a-Si TFT-LCD
Viewing Angle	Large viewing angle (170°/160° hor/ver typical)
Luminance	High Luminance (300cd/m2 typical)
Resolution	WXGA (1366 x 768)
Backlight	LED, Backlight brightness (+on/off) controllable by software (GPIO)
Touch Screen	PCAP multi-touch with 10 fingers (supports gloves touch)
Software Driver	Linux / Windows
CPU	Intel Celeron Processor J6413 1.8 GHz Quad-core with Burst up to 3.0 GHz
System Memory	1 slot DDR4 SO-DIMM socket, Support up to 32GB capacity Standard 4 GB installed
3D Graphics	Intel UHD Graphics for 10th Gen Intel Processor
Speaker	Integrated stereo speakers, 2 x 3 Watt
Storage	M.2 SSD Storage Standard 128 GB SSD installed
Connectivity	Gigabit Ethernet LAN, RJ45 (x1, on rear) USB 3.0 (x2 on bottom, x3 on rear) Headphone connector, 3.5mm mini jack (x2) Handset connector (x2, internal left or right), compatible with optional JAOHandset HDMI input (x1, on bottom), 720p HD Ready resolution Use as stand-alone screen to connect external source such as a gaming console Service Call connector for use with SC button on optional JAOHandset, RJ11 (x1, on rear) -Input rating: +12V to +48V @ max. 20mA Programmable GPIO (for Backlight control, Multipurpose buttons on the front, Audio, ...)
Wi-Fi / BT	ComboWi-Fi/BluetoothM.2module Wi-Fi 802.11 a/b/g/n/ac Wi-Fi 6 + Bluetooth 5.2 support
Power Input	19V DC input, 4.74A current rating, medical wide AC-input power supply w/ EU power cord POE++ (Min. 802.3bt Type 3 Class 6)
Operating System -Primary	Linux: Ubuntu LTS 16.04
Operating System -Secondary	Windows 10 IoT
Web camera/Microphone	2M Camera, with privacy LED indicator Digital Microphone inside
User Access I/O	USB 3.0 (x2 on bottom, x3 on rear) Headphone connector, 3.5mm mini jack (x2) Handset connector (x2, internal left or right), compatible with optional JAOHandset HDMI input (x1, on bottom), 720p HD Ready resolution Use as stand-alone screen to connect external source such as a gaming console Service Call connector for use with SC button on optional JAOHandset, RJ11 (x1, on rear) -Input rating: +12V to +48V @ max. 20mA Programmable GPIO (for Backlight control, Multipurpose buttons on the front, Audio,...)
AR55 Mounting I/O	1 x Power Jack 1 x RJ45 1 x USB 3.0 Type A 1 x 6P6C RJ11 service call
RFID / Smart Card Reader	Combo Smart Carder Reader (SCR) + High-frequency RFID reader, with RFID contactless tapping and card parking support
Audio Jack	Integrated stereo speakers, 2 x 3 Watt, down-firing
Materials	Antibacterial material (plastic housing)
Color	Barco White cover, Black bezel front glass
Mounting	VESA mount, 75x75 and 100x100 compatible
Cooling	Fanless design with passive cooling concept, no vents, no moving parts
Dimensions	482 x 309 x 48 mm
Weight	5.3kg (without JAOHandset) 5.7kg (with JAOHandset)
IP rating	IP65 front
Phone Cradle & Smart Handset	Separated packing for phone cradle with JAO Handset
Operation Temperature	0°C to 40 °C (20% to 80% (non-condensing))

## Product specifications

## JAO18 - MKII

Storage Temperature	-20°C to 60°C (20% to 80% (non-condensing))
Certifications	<p>European standards applied:</p> <p>Product safety:</p> <ul style="list-style-type: none"><li>EN 6060-1: 2006+ A11: 2011 + A1: 2013+ A2: 2014</li></ul> <p>EMC:</p> <ul style="list-style-type: none"><li>EN 60601-1-2: 2015</li><li>EN 301 489-1: V2.2.3</li><li>EN 301 489-17: V3.2.2</li></ul> <p>European harmonized standards applied</p> <p>Product safety:</p> <ul style="list-style-type: none"><li>EN 62368-1</li></ul> <p>Radio:</p> <ul style="list-style-type: none"><li>EN 300 328: V2.2.2</li><li>EN 301 893: V2.1.1</li></ul> <p>Health:</p> <ul style="list-style-type: none"><li>EN 62311:2008</li></ul> <p>RoHS:</p> <ul style="list-style-type: none"><li>EN 63000:2018</li></ul>
Accessories included in the packing	<p>PSU</p> <ul style="list-style-type: none"><li>90W Medical Adapter (19V @ 4.74 A Adapter)</li><li>EU Power Cord</li></ul>
Ordering Information	<ul style="list-style-type: none"><li>ST185EIPC001 -JAO18 MKII 4GB RAM &amp; 128GB SSD &amp; PSU</li><li>ST185EIPC002 -JAO18 MKII 8GB RAM &amp; 128GB SSD &amp; PSU</li><li>HS000BIPCBA1: Basic handset</li><li>HS000BIPCBA2: Basic handset + service call button</li><li>Ergonomics for JAO18MKII Smart Terminals ARS5W5IPC000 -ARS5 VESA Swivel Arm WB12WTIPC000 -AC-WB12 Wall Box&gt;/li&gt;</li></ul>
BIOS	Insyde BIOS, 32M-bit SPI ROM DMI information with unique identifier information
Optional accessories	"Extended Cables for ARS5 USB Cable RJ11 6P6C Cable RJ45 Cable VESA Mounting Screws Thumbscrew"
Power Consumption	19V DC input: 29W max. / 27.9W typ. / 1W stand-by (Hibernate/Sleep) POE++ input: 33.7W max. / 31W typ. / 1W stand-by
Warranty	24-months standard warranty Up to 5-years extended warranty contracts available

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