JAO15

15.6" Smart Terminal for the patient bedside

- **Designed for patient infotainment at the bedside**

- **Touch screen LED panel**

- **With a range of customization options**

Barco's JAO15 bedside terminal has been specifically designed for use in a clinical environment - by patients as well as clinical staff. It offers touch-screen 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

JAO15 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 JAO15 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 JAO15 enables the most personalized patient experience.

At your service, for your convenience

BARCO

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.

Product specifications	**JAO15**

General specifications

Display	15.6" WXGA (1366 x 768), Wide-screen (aspect ratio 16:9)
	Large viewing angle (160°/160° hor/ver typ)
	Long lifetime (50,000 hrs MTBF)
Backlight	LED, High luminance (300 cd/m2 typ)
	Backlight brightness (+ on/off) controllable by software (GPIO)
CPU	Intel® Celeron® Processor J1900 System-on-Chip (SoC)
	2.0 GHz Quad-core with Burst up to 2.42 GHz
Graphics chip set	Integrated Intel® HD Graphics (Gen7)
	Hardware-accelerated video decoding support with Intel® Quick Sync Video
BIOS	AMI BIOS, 8M-bit SPI ROM
	DMI information with unique identifier information
Storage capacity	2.5" Storage bay
	Standard 32 GB SSD installed
System memory	1 slot DDR3L 1333 SO-DIMM socket, Support up to 8GB capacity
	Standard 2 GB installed
Operating system	Linux: Ubuntu 14.04.1 LTS and equivalent
	Windows®: 7, 8 & 10
Connectivity	Gigabit Ethernet LAN, RJ45 (x1, on rear)
	USB 2.0 (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, ...)
User interface	Single-touch screen, 5-wire resistive touch technology
	Note: Capacitive multi-touch optional, available from OEM program
	Multi-purpose capacitive touch keys in glass front-bezel
	Standard On/Off switch, extra buttons available from Custom Configuration Program
Webcam	Integrated HD Camera (720p), with privacy LED indicator
Audio	Integrated stereo speakers, 2 x 2 Watt, down-firing
	Internal digital microphone
Medical environment considerations	Antibacterial material (plastic housing)
	Fanless design with passive cooling concept, no vents, no moving parts
	IP65 front face
Certifications	CE, FCC class B, EN 60601-1, UL 60601-1, IEC60950-1 CB
	ANSI/AAMI ES60601-1, CAN/CSA-C22.2 No.60601-1
Color	Barco White cover, Black bezel front glass
Dimensions	418 x 270 x 50 mm
	VESA mount, 75x75 and 100x100 compatible
Weight	4.2 kg
Power	19V DC input, 4.74A current rating, medical wide AC-input power supply
	EU + US power cord standard
Power consumption	22W max. / 18W typ. / 2W stand-by (Hibernate/Sleep)
Warranty	24-months standard warranty
	Up to 5-years extended warranty contracts available

Accessories

Combined SCR and RFID reader	Combo Smart Carder Reader (SCR) + High-frequency RFID reader, with RFID contactless tapping and card parking support
	Standard, integrated
Barcode scanner	N/A
WiFi	Combo WiFi 802.11b/g/n + Bluetooth Mini PCIe module
	Optionally available from Custom Configuration Program, integrated
Bluetooth	Combo WiFi 802.11b/g/n + Bluetooth Mini PCIe module
	Optionally available from Custom Configuration Program, integrated
USB TV tuner module	ATSC or DVB TV tuner USB dongle (for installation in the wallbox)
	Optional, external accessory
Handset	JAOHandset with phone, hook switch and key membrane and optional remote control buttons, Service call function, 2D barcode scanner
	(Comes with cradle, left or right side mounting)
	Optional, external accessory
Service call	Optional, on JAOHandset

Other specs

Operating temperature	0°C to 40 °C
Storage temperature	-20°C to 60°C
Operating humidity	20% to 80% (non-condensing)
Storage humidity	20% to 80% (non-condensing)
Operating pressure	70 kPa to 106 kPA
Storage pressure	70 kPa to 106 kPA
Operating altitude	Up to 3000m

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