One Touch. Total Control. Anywhere You Need It.

Introduction

ControlBridge® is an interactive touchscreen interface that lets you monitor, manage, and control connected systems or devices—all through a visual, easy-to-use display. It's the front line interface in high-stakes environments. Whether the mission is defense, public safety, transportation, or infrastructure monitoring, it delivers the clarity, confidence, and control operators demand. One touch. Total control.

CB-TOUCH7-T and CB-TOUCH10-T are sleek, 7- and 10-inch wired tabletop touch panels that bring elegance and intelligence to any professional or smart environment. With a premium edge-to-edge glass display, responsive capacitive touch, and simple PoE connectivity, they deliver streamlined control of KVM, AV, automation, and communication systems—all from one stylish interface.

ControlBridge is ideal for managing Emerald IP KVM systems in mission-critical, command environments. Operators can use the panel to launch Virtual Machine (VM) sessions, switch between secure network segments, control source routing, and initiate pre-set views across Emerald receivers and connected monitors—all from a centralized and intuitive touch interface.

Built for C2 environments, ControlBridge offers hardwired reliability, PoE simplicity, and lightning-fast response—delivering secure, clutter-free control with role-based access in even the most demanding, high-density setups.

Applications

Command and Control, Meeting Rooms, Conference Rooms, and Boardrooms

· Military & Defense

· Transportation (ATC, Rail, Ports)

· Emergency Management & Dispatch Centers

· Security Operations Centers (SOCs)

· Utility & Energy Monitoring Stations

· Enterprise

· Education

· Healthcare

Product Images

CB-TOUCH7-T

CB-TOUCH10-T

Touch Panel (CB-TOUCH7-T and CB-TOUCH10-T) Key Features

- Wired for 24/7 operation in control rooms, conference spaces, boardrooms

- Crisp, high-resolution display performance with smooth, responsive touch interaction

- High pixel density for clear, detailed visuals that enhance usability and reduce operator fatigue

- 32-bit true-color with 8-bit alpha blending provides world-class display quality

- Power Over Ethernet (PoE) = less mess, lower cost, and faster, smarter installs

- Built-in microphone and speakers enable clear two-way communication, reducing the need for external audio hardware, simplifying system setup and maintenance

- Premium hands-free user experience with built in light and proximity sensors

- Aluminum enclosure gives the device a modern, polished appearance, suitable for executive spaces, control rooms, and luxury interiors

- Bi-directional IP control allows users to send commands and receive status updates—all through a single Ethernet connection.

- Browser based access simplifies setup and management anytime, anywhere, from any device.

- Fully programmable using the ControlBridge® Builder Software

CB-TOUCH7-T and TOUCH10-T Product Includes:

- (1) 7" touch panel controller (for CB-TOUCH7-T model)
- (1) 10" touch panel controller (for CB-TOUCH10-T model)
- (1) PoE adapter + power cable
- (1) Ethernet cable
- (1) Cleaning tissue

BLACK B⬦X®

Touchscreen Specifications

Physical	
Black Box Product SKU(s)	CB-TOUCH7-T, CB-TOUCH10-T
Black Box Product Name	CB-TOUCH7-T: ControlBridge touch panel, 7"; CB-TOUCH10-T: ControlBridge touch panel, 10"
Product Type	Touch Screen Controller
Material	Aluminum, glass
Dimensions (HXWxD)	CB-TOUCH7-T: 4.5" x 7.8" x 3.8" (115 x 199 x 97 mm); CB-TOUCH10-T: 6.1" x 10.6" x 4.8" (155 x 268 x 121 mm) Display Position: fixed angle 58˚ Viewing Angle: 170˚ horizontal, 170˚ vertical˚
Weight	CB-TOUCH7-T: 1.8 lbs; (0.8 kg); CB-TOUCH10-T: 2.9 lb. (1.31 kg)
Mounting Options	Desktop
Protection	IP30

General	
Connectors - Input	(1) RJ-45
Sensors:	Light and Proximity
Button(s)	Reset (System Default)
Indicators	Programmable RGB LED located on the left and right side (CB-TOUCH10-T only)
Software	Control Bridge Builder
OS Support	Microsoft Windows® 10/11

Video	
Streaming	Streaming video preview
Codecs	H.263, H.264, H.265, MJPEG, MPEG-2, VP8, VP9

Specifications (continued)

Display	
Screen type	IPS transmissive color active matrix TFT LCD with LED backlight
Screen size	CB-TOUCH7-T: 7" (177.8 mm) diagonal, wide screen (edge-to-edge front glass); CB-TOUCH10-T: 10.1." (256.6 mm) diagonal, wide screen (edge-to-edge front glass)
Resolution	1280 x 800
Pixel Pitch	CB-TOUCH7-T: 0.116 x 1.116 mm; CB-TOUCH10-T: 0.1695 x 0.1695 mm
Contrast ratio	800:1
Display Color	32-bit (True Color)
Transparency	8-bit Alpha blending
Brightness min.	CB-TOUCH7-T: 400 cd/m2; CB-TOUCH10-T: 300 cd/m2
Response time	CB-TOUCH7-T: 20 ms CB-TOCUH10-T: 15 ms
Memory	2 GB RAM; 16 GB NAND Flash (EMMC)

Audio	
Audio Features	Built-in microphone and speakers

Network (if applicable)	
Network Interface	RJ-45
Network Speed	10/100/1000, Gigabit Ethernet
Network Redundancy	No
Web UI Access	Yes, Admin UI
IP Address Assignment	DHCP, Static
Proxy Server Support	Yes

Security	
Encryption Standards	AES-256
User Accounts Supported	10
Authentication	Username/Password 802.1X authentication supported

BLACK BOX®

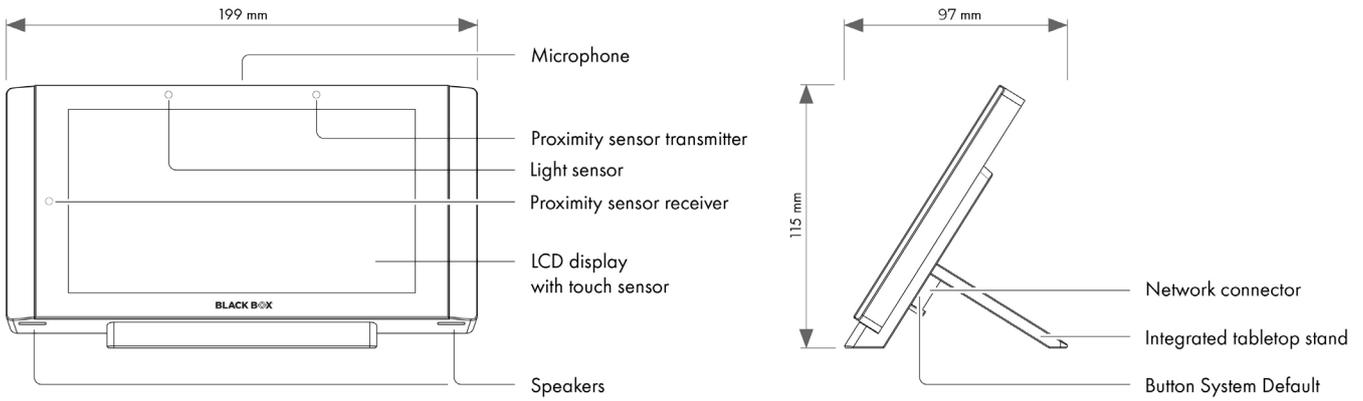## Specifications (continued)

Power	
Power Source	PoE 802.3af/Class 0
Power Input	RJ-45
Power Consumption	CB-TOUCH7-T: 1.8 Watts – screen saver mode; 3.8 Watts – default brightness 70%; 5.2 Watts – brightness 100% CB-TOUCH10-T 1.3 Watts - Screen Saver mode; 5.2 Watts - Factory Default Brightness 70%; 6.3 Watts - Brightness 100%
BTU (British Thermal Units)	CB-TOUCH7-T: 1.8 Watts – 6.14 BTU/hr; 3.8 Watts – 12.966 BTU/hr; 5.2 Watts – 17.743 BTU/hr CB-TOUCH10-T: 1.3 Watts - 4.43 BTU/hr; 5.2 Watts - 17.74 BTU/hr; 6.3 Watts - 21.5 BTU/hr
Power Redundancy	No

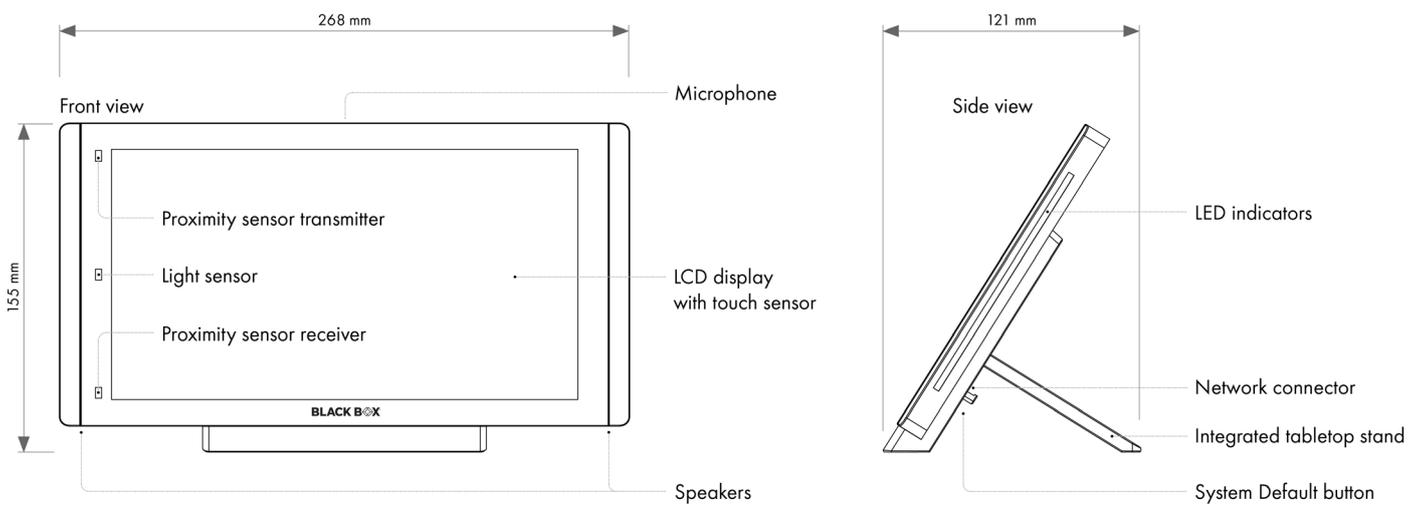| Environmental	
Operating Temperature	50 to 104° F (10 to 40° C)
Storage Temperature	32 to 140° F (0 to 60° C)
Humidity	Relative range: 10% to 90% non-condensing
MTBF (Mean Time Between Failures)	30,000 hours

Regulatory and Warranty	
Approvals/Certifications	FCC, CE, RoHS
Country of Origin	CZ
Standard Warranty	1 Year
Waranty Options	1 Year Warranty; 3 Year Warranty

Product Drawings

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CB-TOUCH7-T

199 mm

Microphone

Proximity sensor transmitter

Light sensor

Proximity sensor receiver

LCD display
with touch sensor

Speakers

97 mm

115 mm

Network connector

Integrated tabletop stand

Button System Default

CB-TOUCH10-T

268 mm

Front view

Microphone

Proximity sensor transmitter

Light sensor

LCD display
with touch sensor

Proximity sensor receiver

155 mm

Speakers

121 mm

Side view

LED indicators

Network connector

Integrated tabletop stand

System Default button

Ordering Information

Product Code	Description
CB-TOUCH7-T	ControlBridge touch panel, 7"
CB-TOUCH10-T	ControlBridge touch panel, 10"

Related Products

Product Code	Description
CB-CP100	ControlBridge Processor 100
CB-ACC-IR-UNI	IR Emitter
CB-ACC-232DTE-30	Input/Output Cable Serial, DTE Male, DB9, 9.8 ft. (3 m)
CB-CP-RMK	Processor Rackmount Shelf—19"
CB-APP-LIC	License for Mobile Device—Single Seat

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Black Box is a trusted IT solutions provider delivering cutting-edge technology products and world-class consulting services to businesses across the globe in every industry. The breadth of our global reach and depth of our expertise accelerate customer success by bringing people, ideas, and technology together to solve real-world business problems.

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