

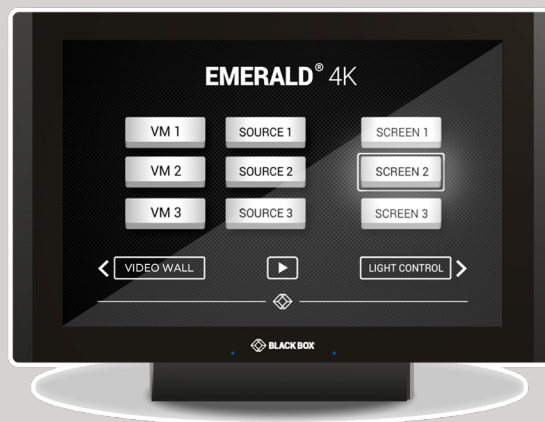
# DATA SHEET

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CB-TOUCH AND CB-CP SERIES

# CONTROLBRIDGE PROCESSOR, TOUCH PANELS, AND ACCESSORIES

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**BLACK BOX**

# OVERVIEW

## CONTROLBRIDGE DATA SHEET

### INTRODUCTION

Control a variety of devices in your control room with the ControlBridge Processors and Touch Panels.

### TOUCH PANELS (CB-TOUCH7-T AND CB-TOUCH12-T) FEATURES

- WIRED TABLETOP AND BUILT-IN TOUCH PANELS.
- 7-INCH AND 12-INCH ACTIVE MATRIX TOUCH SCREEN DISPLAYS.
- RESOLUTION 1280 X 800 PIXELS FOR 7-INCH AND 12-INCH.
- COLORS 32-BIT (TRUE-COLOR), TRANSPARENCY 8-BIT ALPHA BLENDING.
- WIRED ETHERNET COMMUNICATION.
- POWER OVER ETHERNET POWER SUPPLY.
- BUILT-IN MICROPHONE AND SPEAKERS.
- BUILT-IN LIGHT AND PROXIMITY SENSORS.
- REAL TIME CLOCK (RTC) FOR SCHEDULING APPLICATIONS
- ALUMINIUM ENCLOSURE, ALUMINIUM FRONT PANEL FOR BUILT-IN MODELS.
- BI-DIRECTIONAL CONTROL OF ANY IP ENABLED PRODUCTS THROUGH ETHERNET PORT.
- WEB SERVER AND ADMIN CONTROL PANEL FOR SETUP THROUGH A STANDARD WEB BROWSER.
- PROGRAMMING

NOTE: THE TOUCH PANELS MUST BE PROGRAMMED USING CONTROLBRIDGE BUILDER.

### PROCESSOR (CB-CP100) FEATURES

- ETHERNET IP ENABLED CONTROLLERS.
- MODERN ARM® PROCESSOR PLATFORM.
- ON-BOARD REAL TIME CLOCK.
- WIRED 10/100BASE-T LAN.
- BI-DIRECTIONAL CONTROL OF ANY IP ENABLED PRODUCTS THROUGH THE ETHERNET PORT.
- VARIOUS TYPES OF CONTROL PORTS.
- BI-DIRECTIONAL SERIAL RS-232/485.
- IR /SERIAL OUTPUTS (IR UP TO 1.2 MHZ).
- REAL TIME CLOCK (RTC) FOR SCHEDULING APPLICATION.
- WEB SERVER AND ADMIN WEB FOR SETUP THROUGH A STANDARD WEB BROWSER.
- ALUMINIUM ENCLOSURE DESIGN FOR DESKTOP AND 19-INCH KIT ENABLES RACKMOUNTING.
- VARIOUS ACCESSORIES AVAILABLE.
- BOTH CONTROLLER MODELS INCLUDE A WEB SERVER AND ALLOW FOR SETUP THROUGH A STANDARD WEB BROWSER.
- THE ALUMINIUM ENCLOSURE CAN BE INSTALLED ON A TABLETOP OR A 19-INCH RACK USING THE CONTROLBRIDGE CONTROL PROCESSOR 19-INCH MOUNTING KIT (CB-CP-RMK).

# SPECIFICATIONS

## CONTROLBRIDGE

FRONT VIEW



CB-TOUCH7-T

BACK VIEW



CB-TOUCH7-T

FRONT VIEW



CB-TOUCH12-T

BACK VIEW



CB-TOUCH12-T

### WHAT'S INCLUDED WITH CB-CP100

- (1) CONTROLBRIDGE 100 SERIES PROCESSOR
- (2) IR ADAPTERS
- (1) CONNECTOR SET (PHOENIX CONNECTORS FOR I/O)
- (1) ETHERNET CABLE
- (1) PoE ADAPTER + POWER CABLE
- (1) 24VDC POWER SUPPLY WITH INTERNATIONAL CLIPS

### WHAT'S INCLUDED WITH CB-TOUCH7-T AND TOUCH12-T

- (1) 7" TOUCH PANEL CONTROLLER (FOR CB-TOUCH7T MODEL)
- (1) 12" TOUCH PANEL CONTROLLER (FOR CB-TOUCH12-T MODEL)
- (1) (1) PoE ADAPTER + POWER CABLE
- (1) ETHERNET CABLE
- (1) CLEANING TISSUE



# PROCESSOR SPECIFICATION CHART

## CONTROLBRIDGE DATA SHEET

PROCESSOR SPECIFICATION CHART	
	CB-CP100
APPROVALS	Power Supply: IEEE 802.3af CE, FCC, RoHS
BIDIRECTIONAL SERIAL RS-232/485	3
ENCLOSURE	Aluminum
IR RECEIVERS	1 (for capture)
RAM/NON-VOLATILE FLASH	64 MB/256 MB
VERSATILE I/O PORTS	8
WIRED 10/100BASE-T ETHERNET	1
POWER	24 VDC power supply, maximum 4 W, PoE, IEEE 802.3af Class 0
DIMENSIONS	1.7"H x 4.1"W x 3.6"D (4.4 x 10.5 x 9.2 cm)
WEIGHT	0.7 lb. (0.3 kg)

# TOUCH PANEL COMPARISON CHART

## CONTROLBRIDGE DATA SHEET

TOUCH PANEL COMPARISON CHART		
FEATURE	CB-TOUCH7-T	CB-TOUCH12-T
DISPLAY TYPE	Color a-Si TFT LCD with LED backlight	
DISPLAY SIZE	7" (177.8 mm) diagonal	12.1" (307.3 mm) diagonal
RESOLUTION	1280 x 800 pixels	
VIEWING ANGLE	±80° horizontal, ±80° vertical	
TOUCH OVERLAY	Projected capacitive, edge-to-edge glass	
SENSORS	Light and proximity	
AUDIO	Microphone and speakers	
MEMORY	RAM 512 MB, microSD Card min. 8 GB	
NETWORK	Wired 10/100 BaseT Ethernet	
POWER SUPPLY	PoE, IEEE 802.3af / Class 0	PoE+, IEEE 802.3at / Class 4
ENCLOSURE	Aluminium, glass Integrated tabletop stand	
DIMENSIONS	199 x 115 x 97 mm	320 x 192 x 153 mm
WEIGHT	0.8 kg	2.4 kg



