CONTROLBRIDGE PROCESSOR, TOUCH PANELS, AND ACCESSORIES

24/7 TECHNICAL SUPPORT AT 877.877.2269 OR VISIT BLACKBOX.COM

BLACK BOX®

OVERVIEW

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 AND CB-CP200) 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-232/422/485.
- IR /SERIAL OUTPUTS (IR UP TO 1.2 MHZ).
- GENERAL I/OS.
- RELAYS NO-C-NC 24 V.
- 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	BACK VIEW	FRONT VIEW	BACK VIEW

CB-TOUCH7-T	CB-TOUCH7-T	CB-TOUCH12-T	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 backlit	
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

ORDERING INFORMATION

CONTROLBRIDGE DATA SHEET

ITEM	CODE
ControlBridge	
Processor 100	**CB-CP100**
Wired Touch Panel Desk	
7 inch	**CB-TOUCH7-T**
12 inch	**CB-TOUCH12-T**
IR Emitter	**CB-ACC-IR-UNI**
Input/Output Cable Serial, DTE Male, DB9, 9.8 ft. (3 m)	**CB-ACC-232DTE-30**
Processor Rackmount Shelf—19"	**CB-CP-RMK**
License for Mobile Device—Single Seat	**CB-APP-LIC**

NOTES

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The breadth of our global reach, continuous innovation, and depth of our expertise accelerate customer success by bringing people, ideas, and technology together to solve real-world business problems.

Our IT infrastructure solutions, services, and products enable secure, flawless connectivity and meaningful collaboration for businesses in every major market across six continents.

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