BLACK BOX®

CB-TOUCH7-T	CB-CP200	CB-ACC-232DCE-30
CB-TOUCH12-T	CB-ACC-IR-UNI	CB-APP-LIC
CB-CP100	CB-ACC-232DTE-30	CB-CP-RMK

Product Data Sheet

ControlBridge Processors, Touch Panels, and Accessories

Overview

• 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)

• 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: Programming: The touch panels must be programmed using ControlBridge Builder.

Processors (CB-CP100 and CB-CP200)

• 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).

Processors (CB-CP100 and CB-CP200)

CB-CP100

CB-CP200

Specifications for Processors (CB-CP100 and CB-CP200)

Specification	CB-CP100	CB-CP200
Approvals	Power Supply: IEEE 802.3af CE, FCC, RoHS	CE, FCC, RoHS, IEEE 802.3af
Audio	—	Line in, LIne out
Bidirectional Serial RS-232/485	3	—
Bidirectional Serial RS-232/422/485	—	2
Enclosure	Aluminum	Aluminum
General I/O (Analog In/Digital Out)	—	4
IR Receivers	For capture: 1	For capture: 1; For wireless control panels: 1
IR/Serial Output	—	4
Low-Voltage Relay, 24 V / 0.5 A	—	2
RAM / Non-volatile flash	64 MB / 256 MB	512 MB / 4 GB minimum
Versatile I/O Ports	8	—
Wired 10/100BASE-T Ethernet	1	1
Power	24 VDC power supply, maximum 4 W, PoE, IEEE 802.3af Class 0	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)	1.7"H x 8.3"W x 3.6"D (4.4 x 21.0 x 9.2 cm)
Weight	0.7 lb. (0.3 kg)	1.1 lb. (0.5 kg)

Touch Panels (CB-TOUCH7-T and CB-TOUCH12-T)

CB-TOUCH7-T

CB-TOUCH12-T

Specifications for Touch Panels (CB-TOUCH7-T and CB-TOUCH12-T)

Product code	CB-TOUCH7-T	CB-TOUCH12-T
Display type	Color a-Si TFT LCD with LED backlit	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	1280 x 800 pixels
Viewing angle	±80° horizontal, ±80° vertical	±80° horizontal, ±80° vertical
Touch overlay	Projected capacitive, edge-to edge glass	Projected capacitive, edge-to edge glass
Sensors	Light and proximity	Light and proximity
Audio	Microphone and speakers	Microphone and speakers
Memory	RAM 512 MB, microSD Card min. 8 GB	RAM 512 MB, microSD Card min. 8 GB
Network	Wired 10/100 BaseT Ethernet	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	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
Included accessories	PoE power supply, Ethernet cable	PoE+ power supply, Ethernet cable

ControlBridge Processors, Touch Panels, and Accessories Data Sheet

ControlBridge Accessories

Accessory Product Code	Product Name
CB-ACC-IR-UNI	ControlBridge IR Emitter
CB-ACC-232DTE-30	ControlBridge Input/Output Cable – Serial, DTE Male, DB9, 9.8 ft. (3 m)
CB-ACC-232DCE-30	ControlBridge Input/Output Cable – Serial, DCE Female, DB9, 9.8 ft. (3 m)
CB-CP-RMK	ControlBridge Processor Rackmount Shelf - 19”
CB-APP-LIC	ControlBridge License for Mobile Device - Single-Seat

ControlBridge Accessories Specifications

Accessory Product Code	Specification		
—	Cable Length	Connectors	—
CB-ACC-IR-UNI	6.5 ft. (2 m)	IR emitter	—
CB-ACC-232DTE-30	9.8 ft. (3 m)	Serial, DTE Male, DB9	—
CB-ACC-232DCE-30	9.8 ft. (3 m)	Serial, DCE Female, DB9	—
Accessory Product Code	Dimensions	Weight	—
CB-CP-RMK	1.7” H x 19” W x 6.5” D (4.34 x 48.3 x 16.5 cm)	2 lbs. (1.3 kg)	—
Accessory Product Code	Number of Users	License	—
CB-APP-LIC	Single-Seat	ControlBridge License for Windows®, Apple®, and Android™	—

Ordering Information

Item	Code
ControlBridge	
Processor 100	**CB-CP100**
Processor 200	**CB-CP200**
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**
Input/Output Cable – Serial, DCE Female, DB9, 9.8 ft. (3 m)	**CB-ACC-232DCE-30**
Processor Rackmount Shelf - 19"	**CB-CP-RMK**
License for Mobile Device - Single-Seat	**CB-APP-LIC**

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