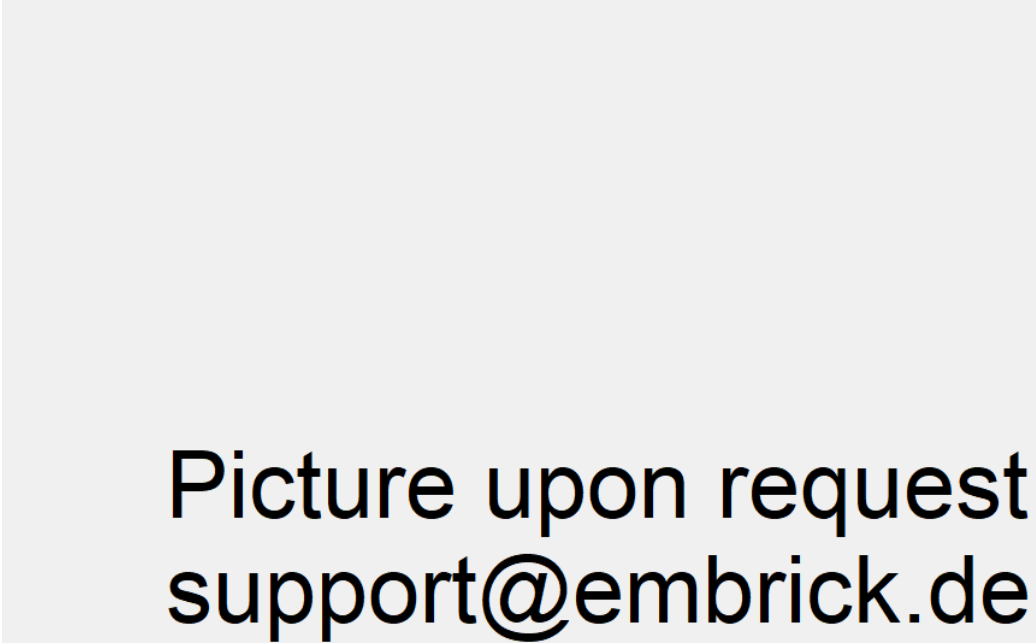


CFB-BRAIN8-B200-02

A large, light gray rectangular area that serves as a placeholder for a photograph of the CFB-BRAIN8-B200-02 board. Centered within this area is the text "Picture upon request support@embrick.de".

Picture upon request
support@embrick.de

1.1 Description

24V driven industrial powerful CPU-base-board hosting the Beaglebone-CPU's with a Cortex-A8-Sitara, 1GHz, 4GB-Flash, 512MB-RAM

With LCD front frame enclosures it becomes a compact front integration unit with a capacitive touch and 7-Inch displays.

As a compact single board unit it offers: Ethernet, CAN, RS232, RS485, USB OTG, μ SD-Card, separate EEPROM and a battery buffered RTC. Moreover it contains an emBRICK-Master-Port (10 pol.) to drive up to 10 emBRICK slave modules direct.

1.2 Connectors and Indication-/Operation-Elements



1.2.1 Connectors (X)

Hereinafter the necessary connections, connectors and their specification for operation are listed. The location of a specific connector is documented with the ID (left column) in the previous illustrations.

ID	Model	Usage	Num. of term.	Model / Series	connection	elec. usage
BBB.X00	Plug	LAN		RJ45	-	Ethernet IEEE 802.3
BBB.X01	Plug	Com. service	1	USB Typ A		USB 2.0
BBB.X02	Plug	Com. service	1	USB Typ A		USB 2.0
BBB.X03	Plug	Com. service	1	USB Typ A		USB 2.0
BBB.X04	Plug	Com. service	1	USB Typ A		USB 2.0

1.3 Input-/Output Scheme

The following diagram shows the adaptation of the control unit. To avoid overlapping, some wires are displayed interrupted and dashed.

no DocCompAdapt available

1.4 Technical Data

1.4.1 User Notes

- Blinking behavior StateLED:
Each Morse code is 3 seconds long!
not initialized = flashing continuously at approx. 5Hz
no communication = short-long-short
too little communication = short-short-short
disturbed communication = short-long-long
OK = continuous flashing at approx. 1Hz (0.6-1.5Hz)

1.5 History

On the following page you will find a list of changes that have been made to the product.

1.5.1 History

Date	Entry scope (HW, SWappl, SWapi, Release)	Entry type (enhancement, improvement, bugfix, release)	Version	Status (development, implemented, tested)	Responsible	Reason for the modification	Items of modification	Impact for (end-)customer	Comment	Location in model/source
xxxx-xx-xx		Release	0.99	Tested	NSt					

For questions please contact:

emBrick GmbH	Alfred-Nobel-Straße 2 D-55411 Bingen am Rhein	+49 (0)6721-48035-70	https://www.embrick.de/ https://www.embrick.de/shop/ support@embrick.de
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