



Safety through quality

ORDER INFORMATION

RTBx data logger product description, purchasing options and warranty

Order information: RTBx



The **RTBx** data logger offers long-duration data capture capabilities for users working on embedded systems. It is mainly used with the Rapita **Verification Suite (RVS)**.

When you buy or rent an **RTBx**, you receive:

- The **RTBx** unit.
- Support and maintenance and warranty for a period of 12 months (purchase) or for the rental duration.
- A pair of standard data cables, an adapter, and a pair of flying leads to connect the **RTBx** to your embedded target.
- Optional rackmount rails.
- Documentation describing how to configure and use the **RTBx** in both printed and electronic formats.

Purchase and rental options

You can either purchase or rent each model of **RTBx**.

When you purchase an **RTBx**, we include support and maintenance for the first 12 months following purchase.

You can rent an **RTBx** in 1 month periods, with a minimum rental period of 3 months. Support and maintenance is included throughout the rental period. At the end of the rental period, you can either return the **RTBx** to us or purchase it at a discounted price.

Support and maintenance

Our support and maintenance service provides the following:

- Access to the latest firmware and software updates.
- Telephone and email access to our support team.

If you have rented an **RTBx**, support and maintenance is included for the full rental duration.

If you have purchased an **RTBx**, support and maintenance is provided for a period of 12 months and can be extended in annual increments so long as the support period is continuous. If there is a break in the support period, then you will need to backdate it to renew your support.

Warranty

Purchase of the **RTBx** includes 12 months warranty, and extended warranties are available in annual increments.

If a hardware failure occurs during the warranty period, you can ship the **RTBx** back to us so that we can repair or replace it. We aim to do this within 5 working days. This is free of charge, assuming the fault is not found to be due to improper use or external causes. If the failure occurred due to improper use or an external cause, we will send a quotation for the repair or replacement, including shipping costs and detailing the cause of the failure.

In the event that we no longer manufacture the **RTBx** model affected, we reserve the right to provide a replacement with near-identical functionality.

RTBx cables and adapters are excluded from the warranty and can only be replaced at no cost if found faulty within 1 month of delivery. We cannot guarantee the availability of spare parts for non-supported models.

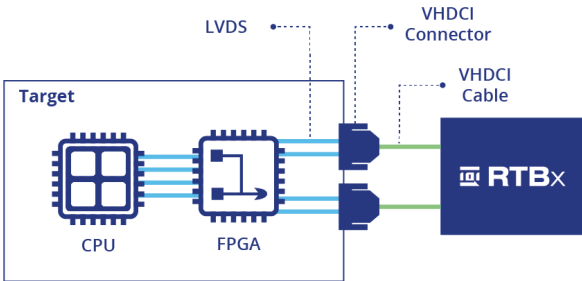


RTBx 2220

Connecting to the target

You will need connectors and possibly adapters to connect **RTBx** to your embedded target. See Figure 1 for typical connection strategies.

Direct Connection



Connection by TTL/LVDS adapter

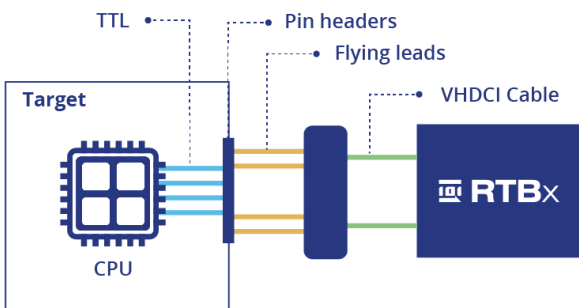


Figure 1. Typical **RTBx** target connection strategies

Standard data cables

We supply a set of two VHDCI cables that carry an LVDS signal with each **RTBx** purchase or rental. If you can develop a VHDCI connection that carries LVDS signal on your target, you can use these to connect the **RTBx** to it directly. Otherwise, consult the next section.

Adapters and leads

If needed, we also supply a pair of flying leads and an adapter, which you can use to connect **RTBx** to embedded targets. These let you connect 0.1" / 2.54 mm pins on an embedded target to the **RTBx**.

We offer flying leads to carry either LVDS or TTL signals.

To connect these to the **RTBx** through VHDCI cables, we offer the following adapters:

- VHDCI adapter with LVDS input.
- VHDCI adapter with 3.3V TTL input (available with both low and high impedance to signal input).

Custom cables

If your target hardware uses non-standard pins or electrical signalling, we can develop high performance custom cables (and adapters if necessary) designed specifically for it. These make it easier to connect and disconnect to the target. For more information, contact us at info@rapitasystems.com to arrange a quotation.

Product codes

The product codes for **RTBx** products, cables and adapters are shown in Tables 1 and 2.

Table 1. **RTBx** product codes

Product code	Description
RTBx-[model]*-P	Purchase of RTBx unit.
RTBx-[model]*-R	Rental of RTBx unit (per month).
RTBx-[model]*-S	Support and maintenance for the RTBx model (1 year).
RTBx-[model]*-X	Extended warranty for the RTBx model (1 year).

*[model] is the model number of the **RTBx** e.g. 2220

Table 2. **RTBx** cable and adapter product codes

Product code	Description
Data cables (x2 included as standard)	
RC-VC-100A-1	VHDCI cable "A" (LVDS signal), 100cm long.
RC-VC-100B-1	VHDCI cable "B" (LVDS signal), 100cm long.
RC-VC-200A-1	VHDCI cable "A" (LVDS signal), 200cm long.
RC-VC-200B-1	VHDCI cable "B" (LVDS signal), 200cm long.
Adapters (x1 included as standard)	
RC-ALVDS-1	LVDS adapter (flying lead input, VHDCI output).
RC-ATTLH-1	TTL adapter (flying lead input, VHDCI output). High impedance to input signal.
RC-A1V8TTLH-1	1.8V TTL adapter (flying lead input, VHDCI output). High impedance to input signal.
RC-ATLL-1	TTL adapter (flying lead input, VHDCI output). Low impedance to input signal.
Flying leads (x2 included as standard)	
RC-FLT25A-1	Flying lead "A" suitable for TTL input. 25 cm long.
RC-FLT25B-1	Flying lead "B" suitable for TTL input. 25 cm long.
RC-FLL25A-1	Flying lead "A" suitable for LVDS input. 25 cm long.
RC-FLL25B-1	Flying lead "B" suitable for LVDS input. 25 cm long.
Custom	
RC-CC	Custom cables



About Rapita

Rapita Systems provides on-target software verification tools and services globally to the embedded aerospace and automotive electronics industries.

Our solutions help to increase software quality, deliver evidence to meet safety and certification objectives and reduce costs.

Find out more

A range of free high-quality materials are available at:
rapitasystems.com/downloads

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MACH¹⁷⁸

Multicore Timing Solution

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