

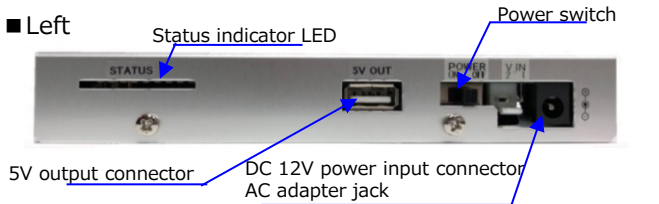
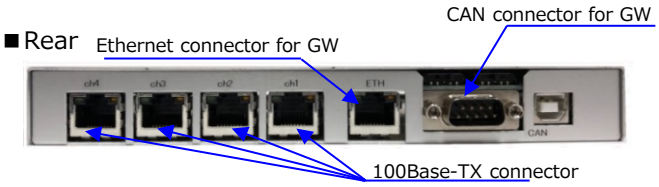
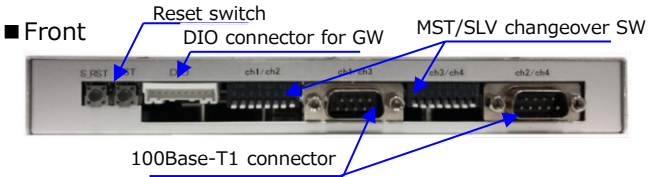
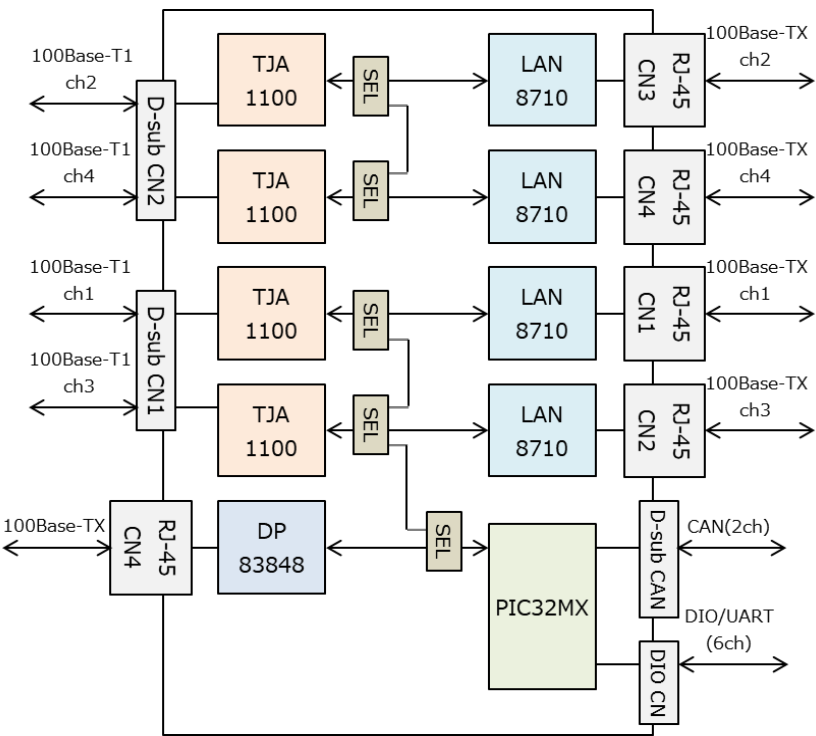
# BroadR-Reach Converter



- BroadR-Reach (100Base-T1) 4channels with Master/Slave changeover switch
- 100Base-TX 4channels
- 100Base-TX and 100Base-T1 interconversion
- Operated by 12V (7 to 24V) power supply, equipped with a 5V output
- 100Base-T1 can be connected to a Hub available in the market
- 100Base-T1 PHY reset control is realized
- It can act as a Gateway by converting CAN; 2 channels and DIO; up to 6 channels or UART; up to 3 channels to 100Base-Tx or 100Base-T1  
(This can be developed upon request. Please contact us for more detail.)

## Configuration

### ■ Block chart

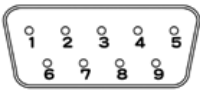


### ■ BroadR-Reach Converter Price

Product	Price (JPY)
BR-CONV	¥ 168,000

The list price is the price when purchased in Japan.  
When purchasing from overseas, please contact a trading company.

### 100Base-T1 connector



Unit side: D-Sub 9pin male  
Cable side: D-Sub 9pin female

### ch1/ch3 connector

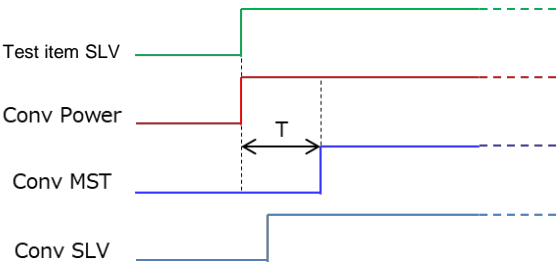
Pin No.	Name
1	100Base-TX ch3 P
2	100Base-TX ch3 N
4	100Base-TX ch1 P
5	100Base-TX ch1 N

### ch2/ch4 connector

Pin No.	Name
1	100Base-TX ch4 P
2	100Base-TX ch4 N
4	100Base-TX ch2 P
5	100Base-TX ch2 N

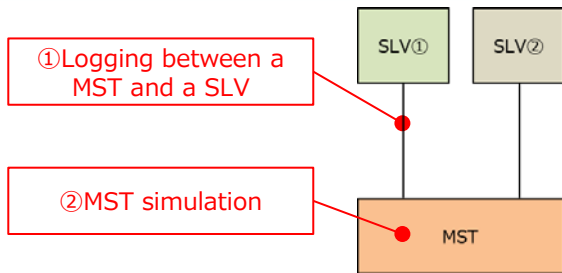
## 100Base-T1 PHY Reset control

100Base-T1 requires to release MST reset after SLV action.  
Start-up time of the Converter MST can be set uniquely.  
So, by sharing a power supply between the Converter and the Test item SLV, the Test item SLV starts taking action at the same time as the Converter is turned on, and the Converter MST can be started after a set period of time.



# BroadR-Reach Converter

## Convert mode



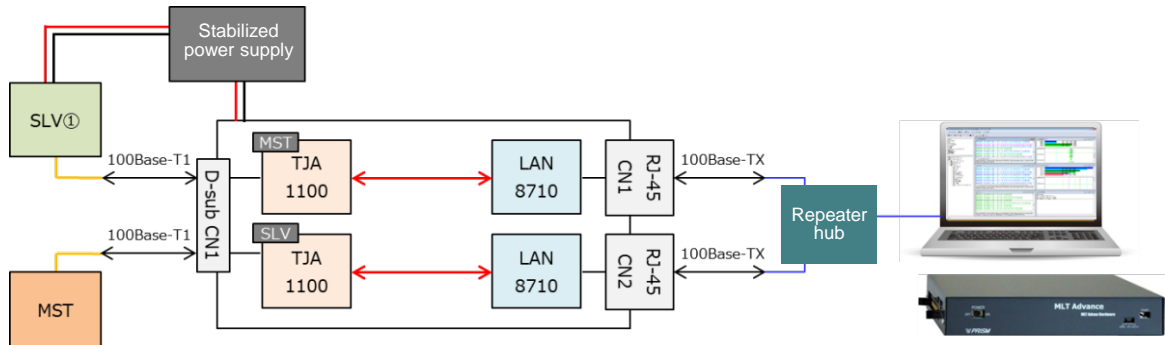
It can convert up to 4 channels of 100Base-T1 to 100Base-TX. 100Base-TX can be monitored by connecting a PC, or operated as a counter device.

Master start-up time can also be adjusted by using external trigger.

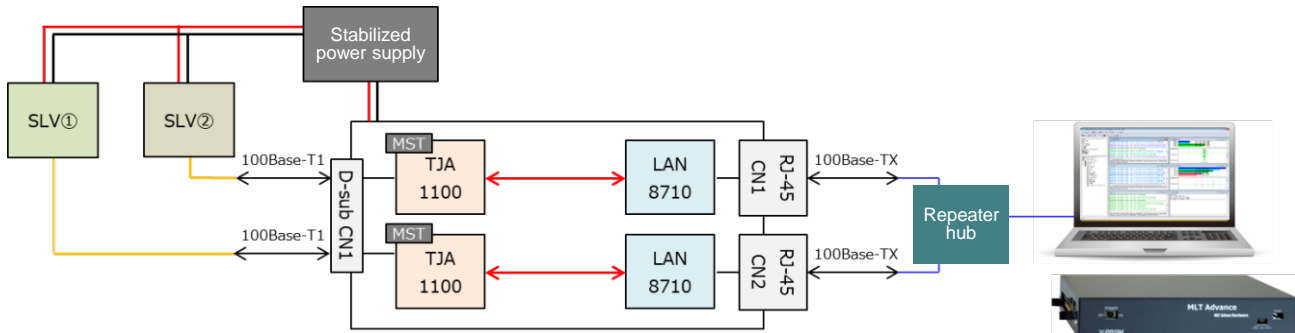
MLT Advance (sold separately) can be used as a monitoring or counter device.

Note: The repeater hub is not included in the product.

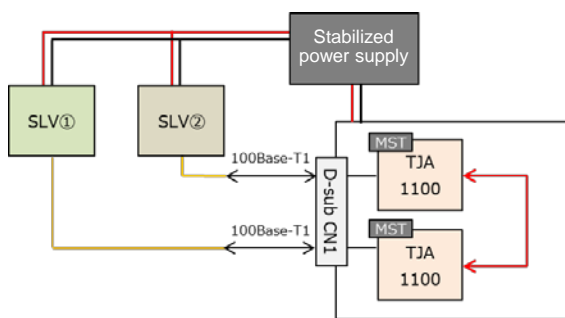
### ① Logging between a MST and a SLV



### ② MST simulation



## MST/SLV changeover mode



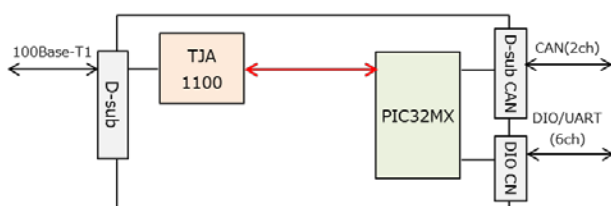
It is equipped with a Master-Slave changeover switch.

Communication between 2 MSTs or 2 SLVs can also be established by setting the converter to a counter-device.

Note: The MST/SLV changeover mode can not be monitored.

## Gateway mode

Note: Developed upon request



It can act as a Gateway by converting CAN; 2 channels and DIO; up to 6 channels or UART; up to 3 channels to 100Base-Tx or 100Base-T1.

Note: Combination of DIO and UART is also possible

The Convert mode and the Gateway mode can be used simultaneously.