



SPECTRUM

SYSTEMENTWICKLUNG MICROELECTRONIC GMBH

Synchronisation Star Hub for all Boards of the MI.xxxx Series

- Supports up to 16 boards
- Clock and trigger synchronisation
- No clock delay between channels
- Piggyback module for MI boards
- Only one module for complete system needed
- All cables included

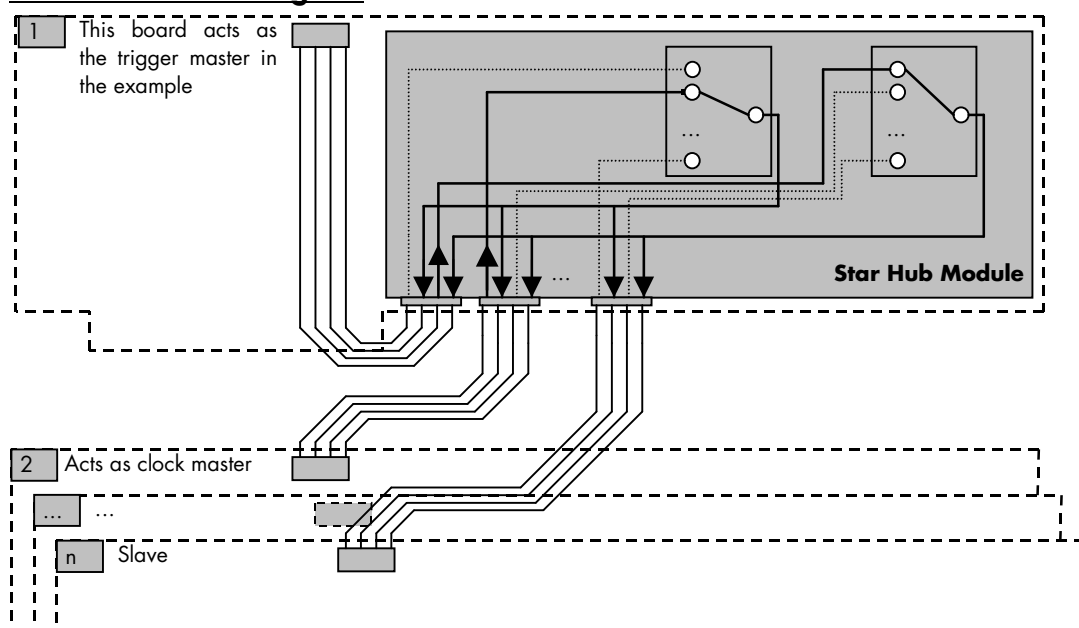


General

The star hub module allows the synchronisation of up to 16 MI boards. It is possible to synchronise boards of the same type with each other as well as different types. The module acts as a star hub for clock and trigger. Each board is connected with a small cable of the same length, even the master board. That minimises the clock skew between the different boards. Any board could be the clock master and the same or any other board could be the trigger master. All trigger modes that are available on the master board are also available if the synchronisation star hub is used.

The connection of the boards is automatically recognised and checked by the driver at load time. The programming of the star hub is included in the standard board interface and consists of only 3 additional commands.

Hardware block diagram



Technical data

Width 2 slots (1 PCI connector)

max number of boards 16

Order Information

Option star hub Synchronisation star hub (max 16 boards), one per system needed

MI.xxxx-smod

It is not possible to use this option together with the timestamp or extra I/O option.

Spectrum reserves the right to make changes at any time to improve design and to supply the best product possible