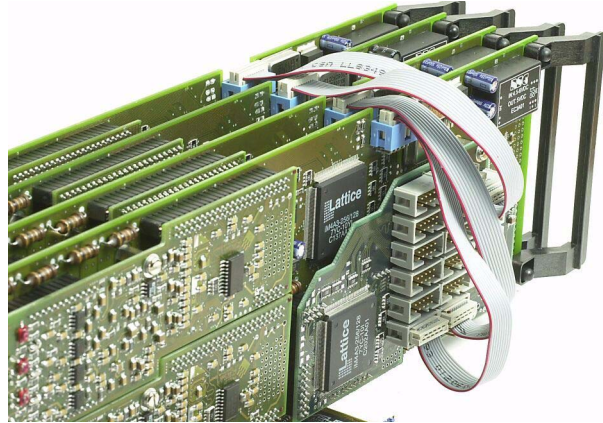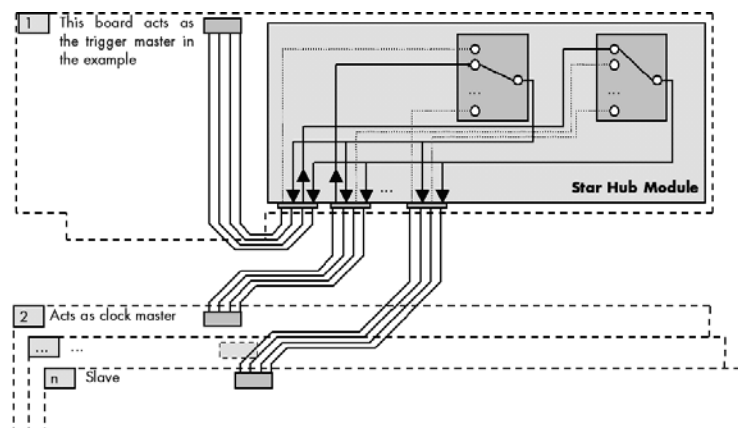**SPECTRUM**
INSTRUMENTATION

Option Star-Hub

- **For all MI.xxxx boards available**
- **For alle MC.xxxx boards available**
- **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**
- **Easy-to-program software interface**

General Information

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 can be the clock master and the same or any other board can 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

Order information

Order No	Description
MI.xxxx-sm od	Star Hub: Synchronisation of 2 - 16 boards, one option per system

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