

Complete, pre-configured networking DAQ station

ME-Neuron (ME-2)



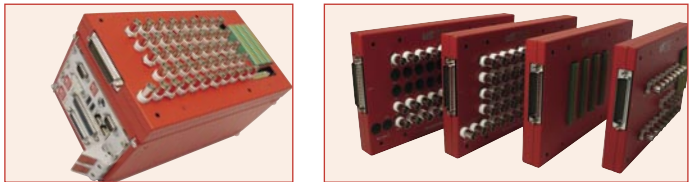
This handy complete PC has a CPU which was selected especially for measurement applications: It has power enough for DAQ and control, but leaves out unnecessary features. There are 2 slots for ME CompactPCI boards of your choice. ME-Neuron and the ME-Synapse go together well: The robust housings have the same form factor and can be stacked..

- Complete DAQ PC, 3 U CompactPCI based, same form factor as ME-Synapse model range.
- Powerful CPU module optimized for DAQ applications. Frontpanel connectivity: 2x USB, 2x ethernet, DVI-I graphic, PS/2 (keyboard/mouse).
- Sophisticated, robust industrial solution in a metal housing with fan.
- Two (XL: 6) slots for ME series CompactPCI/PXI boards (eg. ME series; intelligent software driver ME-IDS).
- Optional 19" mountable.
- Stackable with ME-Synapse USB or LAN and connector blocks in metal housing, with BNC or Phoenix terminals.
- Can be used as complete, stand-alone PC DAQ station or at the ethernet as a LAN DAQ station (with ME series boards only, optional RPC-Licence required): If the ME-Neuron is operated as a LAN DAQ station, just like a ME-Synapse LAN, all ME series CompactPCI boards supported by the driver system ME-IDS can be used. Pay attention to the icon "Ready for ME-Synapse" in this catalog!

The ME-Synapse LAN can be found in section 5. „Remote I/O“!

--- Software: ---

As a complete, PC-based DAQ station with Windows you can use whatever software you want - VEE Pro, LabVIEW, C/C++ and others. If you want to use the ME-Neuron as a LAN DAQ station, only ME series boards supported by the ME-IDS can be used (ME-IDS is included with the ME boards), in combination with your favourite software development environment. The ME-IDS supports: Windows XP, 2000, Vista and GNU Linux 2.6. Visual C/C++, Visual Basic, VEE Pro (Windows), LabVIEW (Windows, Linux), Python.



« Also available with 6 slots for 3 U CompactPCI boards: ME-Neuron XL (ME-2 XL)

When stacked, the boxes can be screwed together securely. The metal terminal blocks of the ME AB-D78M series can be mounted on top of the stack and also be screwed together.

Inserting the ME board into the ME-Neuron or ME-Synapse: Thanks to the robust, reliable and standardized CompactPCI mechanics, it is very easy to mount the DAQ boards. By default, the desired boards are already implemented in the system when ordered as a bundle. System integrators, however, can exchange the board at any time, if necessary.

**Front side:**

Horizontal (eg. stacked with other modules) or vertical operation (also for 19" systems)

Louver with dust filter mat

Anti-slip pits for stacking

2 COM ports

Graphics/video (DVI-I)

2x slots for 3 U CompactPCI boards

2x USB

**Back side:**

PS/2 keyboard/mouse

Robust metal housing

2x ethernet

Fan

LED status 3.3 V

LED status 5 V

Fuse 10 A

Phoenix connector for external power supply

nom. 24 V

GND

PE

