

SBOXe / SBOXfe

HIGH PERFORMANCE CPU IN SIRIUS® FORMAT

- ▶ For rugged standalone DAQ solution
- ▶ 6 USB interfaces (screwable connector)
- ▶ WLAN and 2x GLAN
- ▶ EtherCAT® interface with Synchronisation
- ▶ Removable 250 GB SATA SSD (1 TB option)
- ▶ Optional GPS with RTK
- ▶ Fanless version: SBOXfe

With the SBOX, SIRIUS® becomes a state-of-the-art compact standalone solution. Please find our waterresistant and ultra rugged version SBOXwe in the extreme line instruments section.

FAST SPEED

With typ. 180 MB/s write rate to the flash disk, there is enough capability for e.g. external high-speed cameras with high streaming rates. USB 3.0 ports for quick data transfer (nearly 10x faster than USB 2.0) and the Core i7 processor allow quick and fluent working even if your setup has thousands of channels with multiple interfaces.



REMOVABLE SSD

For safe, stable operation we recommend separating the operating system and measurement data. The SIRIUS® SBOX-FLASH250 option allows the operating system to be installed on an internal 250 GB flash storage. The measurement data is stored on the removable SSD. This allows easy transportation and archiving of your data.



| | SBOXe | SBOXfe |
|---------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| TECHNICAL SPECIFICATIONS | | |
| CPU | Intel® Core™ i7-3612QE 4x 2.1 GHz 8 threads | Intel® Core™ i7-3517UE 2x 1.7 GHz 4 threads |
| RAM | 4 GB | 4 GB |
| Disc | 250 GB removable SATA SSD Option: 1TB removable SATA SSD Option: 250 GB mSATA internal SSD | 250 GB removable SATA SSD Option: 1TB removable SATA SSD Option: 250 GB mSATA internal SSD |
| Power supply voltage | 9-36 VDC | 9-36 VDC |
| Power consumption | Typ. 40 W (max. 55 W) | 30 W max. |
| Operating temperature | | -10 to 50°C |
| Storage temperature | | -20 to 80°C |
| INTERFACES AND OPTIONS | | |
| USB | | Front: 4x USB 3.0 Rear: 2x USB 2.0 |
| Ethernet | | 2x GLAN, 1x WLAN |
| EtherCAT® | | 1x EtherCAT® 100Mbps Full Duplex, LEMO 8pin female |
| Synchronisation | | 1x SIRIUS® SYNC on L00B4f |
| Video | | 1x DVI (VGA and HDMI compatible) |
| GPS option | | 10Hz, 100Hz, 100 Hz & RTK |
| GPS display | | External on DSUB9f connector with remote power on |
| Power out | | Switched supply on L1B2f (max. 8A) |
| PHYSICAL SPECIFICATIONS | | |
| Dimensions | 265 x 150 x 75 mm | 265 x 150 x 80 mm |
| Humidity (@60°C) | | 5 to 95 % RH non-condensing |
| Shock & Vibration | VIBRATION SWEEP SINUS (EN 60068-2-6:2008) | VIBRATION RANDOM (EN 60721-3-2: 1997 - Class 2M2 / 2M3) SHOCK (EN 60068-2-27:2009) |