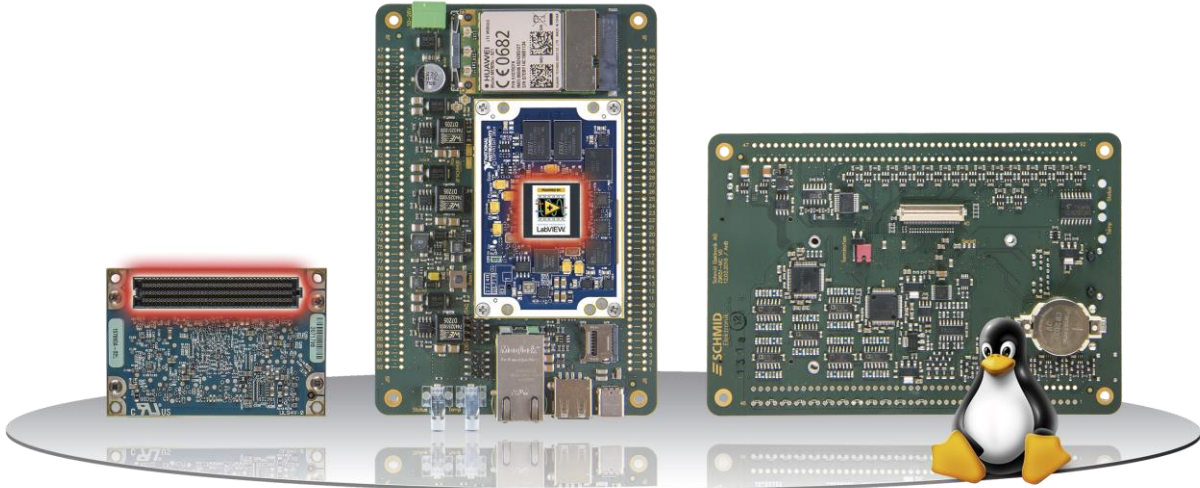


ZSOM-Control



The ZSOM-Control is an off-the-shelf hardware module from NI Embedded-Specialty Alliance member Schmid Elektronik, integrating the NI System-on-Module sbRIO9651 on an industrial carrier board. It is designed for embedded measurement and control applications and can be fully programmed with LabVIEW RT and LabVIEW FPGA. All necessary process I/O signals are available on two rugged clamp terminals. An optional PCIe card adds 4G, GPS or WIFI to the system.

Analog and digital I/O	Communication, miscellaneous
<ul style="list-style-type: none"> • 12x analog in, 16 bit, $\pm 5V$ or $\pm 10V$, 500kHz simultaneous, 4th order anti aliasing with $f_g=200kHz$. • 4x analog out, 16 bit, $\pm 10V$, OVP, 100kHz simultaneous generation of all 4 channels. • 16x general purpose high speed I/O, configurable as digital input or output, 3.3V or 5V operation, speed in the MHz range allows to integrate high performance SPI devices. • 10x rugged digital input, 3-30V, OVP (DINX) • 6x rugged open collector output, max current: 200mA. 	<ul style="list-style-type: none"> • 1x GigE Ethernet • 1x USB Host/TypeA, 1x USB device/TypeC • 1x CAN / CANOpen • 1x SD-Card • 1x RS232 with hand shake • 1x RS422/RS485 • 1x 4G modem, SIM-Card • 1x GPS receiver with phantom supply • 1x 5.7" multitouch display • 1x 3.3V and 1x 5V power supply, switchable, short circuit protected, up to 300mA • 1x reset button/lines, 2x status LED's • Geometry b/h/l : 146mm x100mm x10mm • Main wide input range 9-30V power supply

