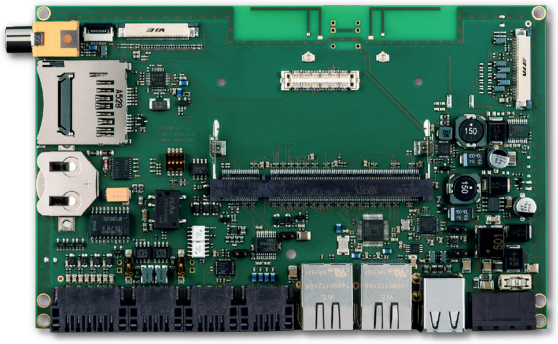
Trizeps SODIMM SOM

Carrier Board

ConXT
by Keith & Koep

Carrier Board for Trizeps VII SOMs

Multifunctional Carrier Board which supports the complete functions of the Trizeps VII SOMs



HIGHLIGHTS

- Supports a wide range of interfaces, e.g. 2x Ethernet, 2x CAN, 2x USB, RS232, RS422, RS485
- Unified display interface standards as our own i-MOD extension connectors simplify the integraton of touchscreen LCDs
- UPS (Uninterruptible Power Supply, max. 100F) on request

Available in Industrial Temperature Range

Windows Embedded Compact · debian · Windows 10 IoT

MAIN FIELDS OF APPLICATION

Automation · Biomedical/ Medical devices · Digital signage - Infotainment · Edge Computing · Energy · HMI · Home Automation · Industrial Automation and Control · Info Kiosks · Internet of Things · Measuring instruments · Point of Sales · Portable devices · Thin clients · Vending

FEATURES

Processor	Defined by compatible Trizeps SODIMM SOMs • NXP i.MX 6 Quad, Dual, DualLite, Solo, SoloX ARM Cortex A9 up to 1.0 GHz on Trizeps VII SOM
Video Interfaces	RGB, LVDS, Dual LVDS
Mass Storage	SD Card Socket
Networking	2x 10/100 Mbit Ethernet RJ45 Connector Wireless functionalities depend on Trizeps SOM: • Trizeps VII: Onboard WiFi Bluetooth Modul, IEEE 802.11 a/b/g/n/e/i/h/d/k/r/w, +18 dBm, 72 Mbps (20 MHz) and up to 150 Mbps (40 MHz), Bluetooth 3.0+ DER
USB	USB2.0 Host, USB2.0 OTG
Audio	2.6W Audio Amplifier (pin header) Microphone (pin header)
Serial Ports	1x RS232, 1x RS232/422/485

Other Interfaces	2x CAN galvanic isolated, 12/24V IOs (4x inputs (3 with ADC), 4x outputs), analog PAL camera (Cinch), UPS (Uninterruptible Power Supply), RTC with battery, 2x LED, I2C, GPIOs
Power Supply	Industrial +12 up to +24V supply
Operating System	Windows Embedded Compact Linux Debian Windows 10 IoT
Operating Temperature*	-20 ÷ 85°C
Dimensions	174 mm x 104 mm x 20 mm

*All carrier board components must remain within the operating temperature at any and all times, including start-up; carrier operating temperature is independent of the module installed. Please refer to the specific module for more details. Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider specific cooling solutions for the final system.

BLOCK DIAGRAM