SCB 100: Cobot Controller Board Ready with Full Functional Safety

NEXCOM
Robotic Solutions
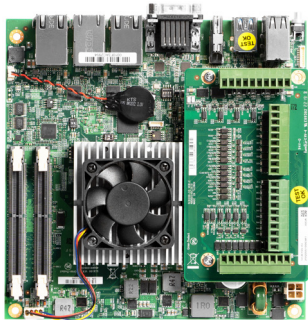
x86 Functional Safety Control Platform, supports I/Os and interfaces needed as a controller platform to build robotic control and motion control systems

NexCOBOT's SCB 100 (Safety Control Board) is a Mini-ITX board with functional safety compatibility. It supports the I/Os and interfaces needed for a controller platform to build robotic control and motion control systems. Certified by TÜV Rheinland, the SCB 100 stands out as the industry's pioneering safety controller platform. It utilizes an Intel x86 processor with integrated safety features, such as safety I/Os and additional EtherCAT slave ports. The multi-core capabilities of the Intel Atom® Processors X Series, combined with safety hypervisor technology, enable the SCB 100 to handle multi-tasking applications. Robotic control and safety control can both be implemented with the SCB 100 alone, simplifying system architecture.

Key Features

High Performance	Industrial Safety Cert	Comapct Solution	Powerful Multitasking

Intel Products & Technology

Intel Atom® Processors

Intel Atom® Processor are designed for low power consumption and are ideal for devices that prioritize battery life and compact size over raw processing power.

Intel® Slim Bootloader

Slim Bootloader (SBL) is an open-source boot firmware solution that initializes hardware components of the system when it is powered on.