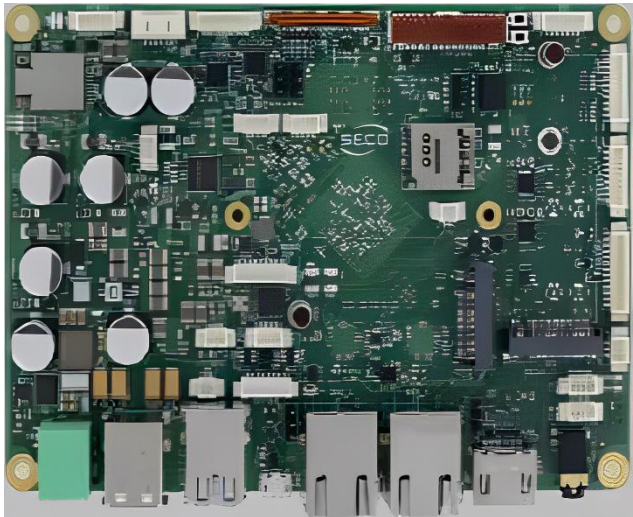




FEATURES

- Long-Life Embedded Class Industrial Motherboard.
- CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems.
- Rockchip RK3568 SoC • Supports DDR4-3200 up to 4GB Total.
- HDMI, LVDS, eDP 4K.
- 2 * GbE LAN.
- 1 * M.2 m-key with Slot.
- 2 * USB 3.0, 1 * USB 2.0 Ports, 1 * USB 2.0 OTG.
- 2 * Serial Ports, 8-bit GPIO or 4-bit GPIO, Watchdog Timer.
- 12-24V DC-In.
- 3.5” SBC Form Factor (146mm x 102mm).

SBC-11001	
PROCESSOR	Rockchip RK3568 4x Cortex®-A55 cores, up to 2.0GHz, 64-bit architecture, with Neural Processing Unit (NPU)
CHIPSET	SOC
VIDEO	Mali-G52 1-Core-2EE
MEMORY	Soldered down supporting DDR4-3200 up to 4GB total
M.2	M.2 Socket 2 Key B for LTE module + micro-SIM card slot on-board - Optional on-board M.2 1216 module WLAN 802.11 a/b/g/n ac + BT 5.0, M.2 Socket 2 Key M for AI accelerator modules
STORAGE	eMMC 5.1 drive soldered on-board, up to 64GB (first boot device) microSD slot (second boot device) I2C flash QSPI flash (factory option)
AUDIO	Line-out jack, TRRS combo audio jack (stereo mic in, stereo line out)
ETHERNET	2 * RJ-45 GbE LAN
LAN	2x 2-lanes MIPI-CSI camera connector or 1x 4-lanes
BIOS	AMI 128Mb Flash ROM
HDMI	1 * 4k x 2k @60Hz
USB	2 * USB 3.0, 1 * USB 2.0 port, 1 * USB Header for 2 * USB 2.0 ports
SIM	Micro SIM slot
POWER INPUT	+12-24V DC-in
SERIAL	2 * Serial headers (2 * RS232/422/485)
SMBUS/ I2C	1
SPI	1
DISPLAY	eDP 4K @60Hz, LVDS 1080P
CAN	2
GPIO	8-bit GPIO header or 4-bit GPIO, 8x GPIOs or 4x GPIOs + 4 ADC (factory configuration alternatives)
UART / JTAG	1x debug UART, 1x JTAG port, 2x 2 wire TTL UART ports on internal header
CERTIFICATIONS	CE, FCC, RoHS, ERP
OPERATING TEMPERATURE	0°C – 60°C -30°C ÷ +85°C (Extended version, with Wi-Fi/BT module on-board) -40°C ÷ +85°C (Industrial version)
WARRANTY	2 years