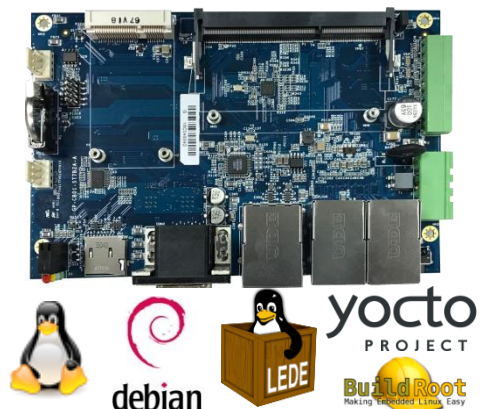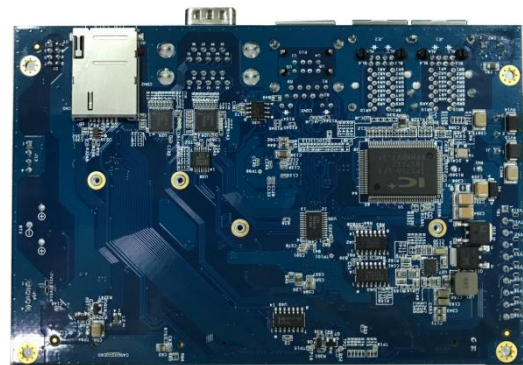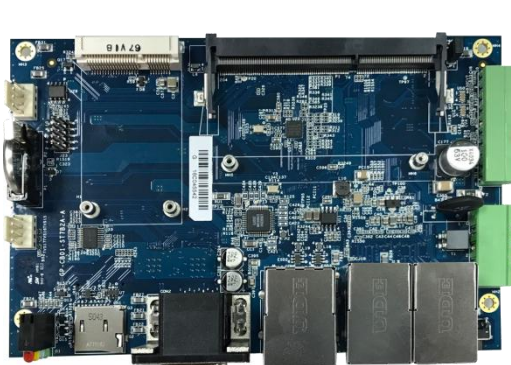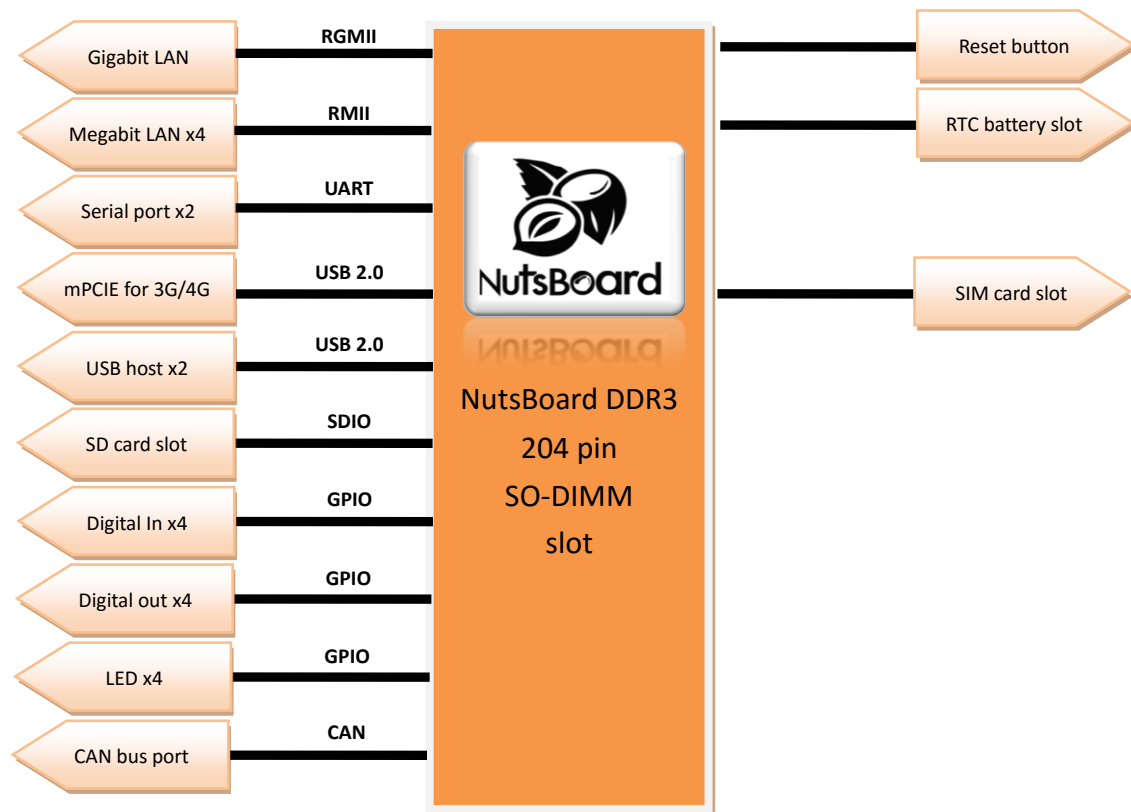# 204 pin SO-DIMM Carrier Board **Walnut**

Key Features

- ■ Industrial / Commercial design

- ■ -40~85°C / 0~85°C operating temperature

- ✓ Compatible NutsBoard SoM industrial development

- ✓ 9-48 VDC Input Power

- ✓ Full Open Source Support on Linux base OS

- ✓ Hardware testing before shipping

- ✓ Long Life time support: 5 years

Interface	Walnut
Expansion	
SO-DIMM slot	NutsBoard DDR3 Type compact form factor
RTC slot	for backup coin battery (Optional)
mPCIE + SIM	x1 for 3G/4G communication
I/O	
Gigabit LAN	10/100/1000Mb x1
Megabit LAN	10/100Mb x4
USB host 2.0	x2
Serial Port (RS232/422/485)	DB9 Connector x2
CAN bus	x1
Digital in	x4
Digital out	x4
LED light	x4 (Red, Yellow, Blue, Green)
SD slot	x1
RTC battery slot	x1
Reset button	x1
power input	x1
Environmental	
Dimension	150 x 100mm
Certification	CE, FCC (class A), RoHS, EMI, ESD and Surge for pre-testing

204 pin SO-DIMM Carrier Board | **Walnut**

Gigabit LAN	**RGMII**			**Reset button**
Megabit LAN x4	**RMII**			RTC battery slot
Serial port x2	**UART**	NutsBoard DDR3 204 pin SO-DIMM slot		SIM card slot
mPCIE for 3G/4G	**USB 2.0**			
USB host x2	**USB 2.0**			
SD card slot	**SDIO**			
Digital In x4	**GPIO**			
Digital out x4	**GPIO**			
LED x4	**GPIO**			
CAN bus port	**CAN**			

Ordering Information

Part No.	
Walnut-CDDR3SODIMM	Including debug, CAN cable, GPIO connector, and power adaptor with terminal connector.

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Please contact us for custom the Carrier Board for your projects.