

# SCB-3242

Desktop Network System

## AWIN Technologies Co., Ltd.

Desktop Fanless Network Computing System with Cavium® CN8031 (codename OCTEON TX), 4GB DDR4 memory, 8GB eMMC, Eight Copper GbE ports, mini-PCIe, M.2 SATA, M.2 USB



### Features

- Fanless Network System
- Cavium OCTEON TX 64-bit ARM based SOC
- Support bulk and RSA crypto
- Max 8 Copper GbE ports
- Expansive I/O with USB3.0, mini PCIe card, M.2 USB card, M.2 SSD
- RoHS /CE/FCC compliant



### Introduction

The SCB-3242 is a Desktop platform designed for network service applications. It is suitable for SOHO (Small Office, Home Office), SMB (Small Medium Business), and ROBO (Remote Office, Branch Office) segments. The SCB-3242 supports Cavium OCTEON TX CN8031 processor and onboard DDR4 memory up to 4GB.

In order to provide the best network performance and utilization, the standard device comes equipped with onboard eMMC flash for boot device and has a place reserved for an optional M.2 2280 SSD. SCB-3242 supports maximum 8 Copper GbE ports, mini-PCIe WiFi module and M.2 USB LTE module. For easy access, the back panel also has a USB 3.0 port, one RJ45 console port.

### Specifications

#### ▼ Processor System

**CPU** Cavium® CN8031 quad core processor, 1.5GHz

#### ▼ Memory

**Technology** DDR4 2133MHz memory

**Capacity** On-board 4GB

#### ▼ Ethernet

**GbE Ethernet** Eight Copper GbE ports, Realtek RTL08214C

**LAN Bypass** N/A

#### ▼ Storage

**eMMC** 8GB eMMC 5.1

**SSD** One M.2 2280 socket

#### ▼ I/O

**USB** 1x external USB3.0  
1x M.2 3042 socket with Micro push-push  
SIM card socket

**Serial** 1x RJ45 Console port

#### ▼ Expansion

**Mini-card slot** One mini-PCIe socket (full-size)

#### ▼ Power Supply

**Watt** DC 12V, 3.3A 40W power adaptor (Level VI)

#### ▼ Mechanical and Environment

**Form Factor** Desktop

**LED** Power, Status, Wifi, LTE, Ethernet ports

**Dimension (W x D x H)** 232mm (W) x 152mm (D) x 44mm (H)  
(9.13" W x 5.5" D x 1.7" H)

**Operating Temperature** Operating: 0 ~ 40°C ( 32 ~ 104°F )

**Storage Temperature** -20 ~ 75°C (-4 ~ 167°F)

**Humidity** 20 ~ 90% relative humidity, non-operating,  
non-condensing

**Weight** 1pc/Box, xkgs,  
243mm (W) x 179mm (D) x 44mm (H)  
2Kg

**Certification** CE/FCC

\* Note : All specifications are subject to change without prior notice

▼ Packing List

- One SCB-3242 unit
- One power cord
- One CD (Manual, Quick installation guide, Utility driver)

▼ Ordering Information

Standard	
SCB-3242C	Desktop Fanless Network System with Cavium OCTEON TX CN8031 processor 1.5GHz, 4GB DDR4, 8 Copper GbE, Console, 8GB eMMC, Mini PCIe, M.2 SATA, M.2 USB
DK001	Cable development kit 46L-CO5204-00 Cross over cable 46L-EC5200-00 Ethernet cable 46L-RJDB91-00 RJ45 Console cable 46L-IUSB01-00 USB cable

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