NSK7300-BMC

Main Features

- ASPEED AST2500
- DDR4 (8Gb 512M x 16)

- SPI NOR Flash for BMC FW (32MB) x 2

Product Overview

The BMC daughter board interfaces with hardware platforms through a 260-pin SODIMM DDR4 connector, which is intended for mounting into a mating SODIMM DDR4 socket. BMC allows users to control security issues for out of band management for faster time to patch, custom implementations of open source software, secure boot.

Specifications

Mainboard

- ASPEED AST2500
- DRAM DDR4 8Gb 512M x 16 FBGA
- AST2500 BOOT FLASH SPI ROM 32MB x2
- 260-pin DDR4 SODIMM interface

Dimension and Weight

- PCBA dimension: 69.6 x 50 x 6.5mm (refer to JEDEC spec for large card type dimensions)
- Inner box dimension: 212 x 108 x 45mm
- Outside packaging dimension: 541 x 456 x 262mm
- Without packaging weight: 0.015kg

- **Environment**
- Operating temperature: 5°C~45°C
- Storage temperature: 5°C~65°C
- Relative humidity: 10%~90% non-condensing

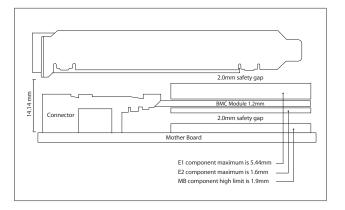## Ordering Information

NSK7300-BMC (P/N: 10SK0730001X0)

- ASPEED AST2500, DDR4 8Gb x 1, SPI ROM 32MB x 2, 260-pin DDR4 SODIMM interface
- Adopted in NSA 7150, FTA 5180, FTA 1170

BMC Module Shown Under PCIe Bracket

Component Height Keep-out Requirements (Right Angle config.)

- Top of the PCB: 5.44mm
- PCB thickness: 1.2mm
- Bottom of the PCB: 1.6mm

Dimension Drawing