

ARM-BASED TINKER BOARD 3 SINGLE-BOARD COMPUTER AND TINKER SYSTEM 3N



Tinker System 3N, an Arm®-based fanless embedded computer with versatile applications for industrial use, and Tinker Board 3, a compact single-board computer (SBC) equipped with a quad-core Arm Cortex-A55 with comprehensive software-development kit (SDK) integration for versatile IoT and smart retail applications. Both ASUS IoT Tinker System 3N and Tinker Board 3 have been meticulously designed to cater to diverse vertical applications and industrial demands.

Tinker System 3N: Rugged design, customizable I/O, compact size, and military-grade resilience, optimized for industrial use

Tinker Board 3: Advanced AI capabilities with built-in NPU, enhanced graphics processing and robust data security for diverse IoT and smart retail needs

Integrated solutions: Advanced integrated software and hardware features, including an SDK, GPIO API integration, power scheduling and OTA updates

Main Features

Tinker System 3N

Arm®-based fanless edge system, with versatile applicability for industrial use, provided low power consumption, and rich interfaces make both industrial and retail IoT feasible, flexible and productive.

- Fanless design for great heat conductivity
- Certified with RF regulation for WiFi (CE, FCC, VCCI, BSMI)
- High expandability, including dual-LAN, COM, CAN and M.2 for cellular module
- Wide range 12-24V DC power and -40-60°C operating-temperature range
- Embedded design with wall mount and DIN-rail clip
- Linux, Android and Yocto supported

Tinker Board 3

Compact fanless Arm®-based SBC, seamlessly integrates into systems, with versatile software suite ensures swift market readiness, offering FOTA, advanced controls and SDKs, with comprehensive technical support.

- 64-bit, quad-core Arm Cortex-A55 processor, built on the Arm v8 architecture
- Multi-display with HDMI and MIPI DSI, 4K full HD support
- 802.11 a/b/g/n/ac wireless & BT 5.0 (2T2R) 12-19V DC power input
- Ready-to-deploy panel solution with extensive technical support
- Developer-friendly SDK for integration



For full product
info and datasheet
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Asus IoT

ASUS IoT is a sub-brand of ASUS dedicated to the creation of incredible solutions in the fields of AI and IoT. Our mission is to become a trusted provider of embedded systems and partner to the wider AIoT solutions ecosystem.

ASUS IoT