Quick Installation Guide

1. Packing List

- **ADi-SA3X-AD Infotainment Box PC**
- **Power Adapter Cable** (12–24V DC-in, 5.5mm outer / 2.5mm inner locking jack)
- **VESA or L-Type Bracket Kit** (Optional)

2. System Overview

Feature	Specification
CPU	Intel® Core™ i3/i5/i7 (Alder Lake-P series)
Memory	1x DDR5 SO-DIMM, up to 32GB (non-ECC)
Storage	2x SATA 6Gb/s + 1x M.2 2280 (NVMe only)
Display Output	4x DisplayPort 1.2
Ethernet	2x Intel® I225-V GbE
USB Ports	4x USB 3.2 Gen1 + 4x USB 2.0
Audio I/O	Line-out, Mic-in, S/PDIF
Serial Ports	COM1 (RS-232/422/485), COM2 (RS-232), COM3~COM6 (RS-232 via 2.0mm pin headers)
Expansion	1x PCIe x16 (Gen4), 1x PCIe x1 (Gen3)
Power Input	DC 12–24V, 5.5mm/2.5mm locking barrel jack

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3. Basic Installation Steps

Step 1: Install Memory
Insert one DDR5 SO-DIMM module into the memory slot (maximum 32GB).

Step 2: Install Storage

- Connect 2.5” SATA SSD/HDD to SATA1 or SATA2
- Install NVMe SSD into M.2 M-Key slot (2280 size supported)

Step 3: Connect Power
Connect a 12–24V power adapter to the DC-in jack (locking-type plug recommended).

Step 4: Connect Peripherals

- **Display**: Connect up to 4x DisplayPort outputs
- **Ethernet**: Connect LAN cable to LAN1 or LAN2 (RJ-45)
- **USB**: Connect keyboard, mouse, flash drive, etc.
- **Audio**: Use Line-out, Mic-in, or S/PDIF ports
- **Serial**: COM1 supports RS-232/422/485 (selectable via DIP switch); COM2 is RS-232; COM3~COM6: RS-232 via 2.0mm pin headers (onboard)

4. BIOS Access

- Press DEL during boot to enter BIOS Setup
- Default boot priority: **M.2 > SATA**

BIOS Features:

- COM port mode selection (RS-232/422/485)
- Serial Console Redirection
- Watchdog Timer

- TPM and Secure Boot
- Smart Fan Control
- NVMe Configuration
- USB Boot / PXE Boot support

5. OS Compatibility

Operating System	Support
Windows 10/11 64-bit	**V**
Ubuntu 20.04+	**V**
Yocto / BSP support	On request

6. Driver & Support

All drivers, manuals, and software resources are available on the ADLINK website:

https://www.adlinktech.com/

Path: Support → SW&Drivers → ADi-SA3X-AD