NISE 53 Series

Common Specifications

Category	Specification
CPU	E01: Intel® Celeron® J6413, Quad Core, 1.8 GHz E02: Intel® Atom® x6211E, Dual Core, 1.3 GHz
Memory	1 x DDR4 3200 SO-DIMM, up to 16 GB
Graphics / Display	Intel® UHD Graphics 16EUs Triple independent displays via 3 x HDMI, 1920×1080 @ 60Hz
LAN / Networking	3 x GbE LAN ports − 1 x Intel® I226V − 2 x Marvell SOC PHY
USB Ports	Front: 2 x USB 2.0 Rear: 2 x USB 3.1, 2 x USB 2.0
Serial Ports	2 x COM (RS232/485) − COM1: RS232/485 with auto flow control − COM2: RS232/485
Expansion Slots	1 x Full-size mini-PCIe (Wi-Fi/BT/4G LTE/storage) 1 x Front-access M.2 Key B 1 x Internal M.2 Key B 1 x Internal nano SIM card holder
Storage	Optional onboard 32 GB eMMC
Power	AT/ATX mode, +12V/+24V DC input, supports ATX default
TPM	TPM 2.0
OS Support	Windows 11 Windows 10 Enterprise 64-bit Linux Kernel 4.19
Dimensions	186 mm (W) x 150 mm (D) x 26 mm (H)
Chassis	Metal, fanless
Operating Environment	Temp: -10°C to 60°C Storage Temp: -40°C to 85°C Humidity: 10−90% non-condensing Shock & Vibration: IEC standard-compliant
Certifications	CE, FCC Class A

Model Comparison

Feature	NISE 53-E01	NISE 53-E02
CPU	Intel® Celeron® J6413, Quad Core, 1.8 GHz	Intel® Atom® x6211E, Dual Core, 1.3 GHz
Core Count / Performance	4 cores, higher clock	2 cores, lower clock
Part Number	10J00005300X0	10J00005301X0
Included Power Adapter	60W AC-to-DC, w/o power cord	60W AC-to-DC, w/o power cord
Target Use / Performance Level	Higher performance edge computing	Lower power, energy-efficient embedded use