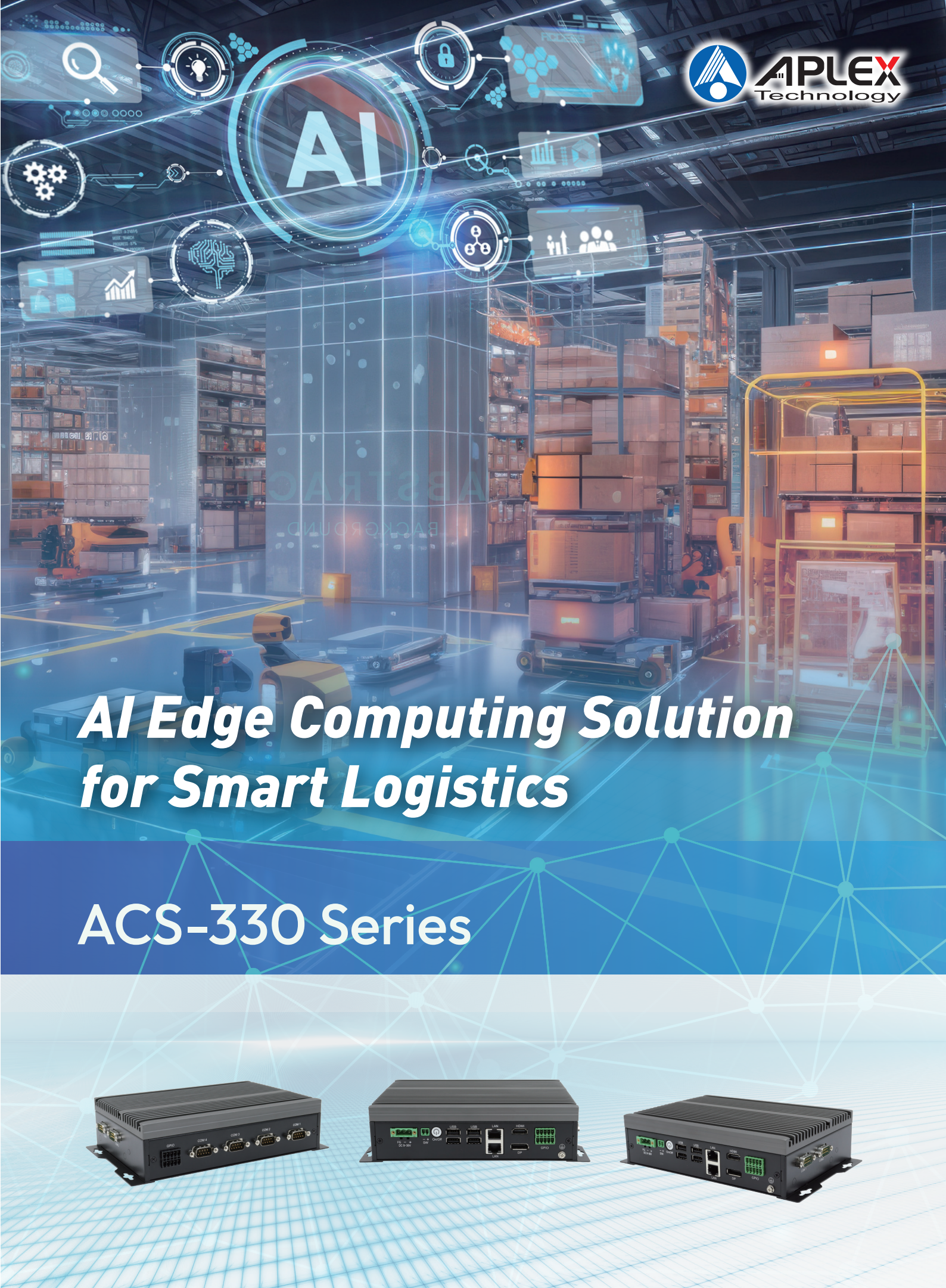


Model	ACS-330
System	
Processor	Intel Processor N97(4-core, 6MB-cache, 12W-TDP)
Memory	1 x DDR5 SO-DIMM Non-ECC slot, supporting 8GB up to 32GB capacity at 4800MT/s.
Storage	1 x M.2 B+M-Key 2242 (SATA interface)
MISC. Function	1 x SMBus Wafer Header 1 x I2C Interface (M.2 Connector)
Security	TPM 2.0 onboard
General	
Certification	CE, FCC Class A, UL 61010-2-201
Dimension (WxHxD)	200 x 55 x 140 mm
Mounting	Wall Mount, Din-Rail
Weight (Net)	2.2 kg
Power Requirement	DC 9~36V
OS Support	Windows 11 22H2, Linux Ubuntu 20.04/22.04
I/O Interface	
USB	4 x USB 2.0 (Type-A on front-side)
LAN	2 x 2500 BASE-T ethernet ports (RJ-45)
Serial port	2 x RS-232/422/485 (BIOS selectable)
Display	1 x HDMI 2.0b (up to 4K @60Hz, HDCP 2.2) 1 x DisplayPort 1.4 (up to 4K @60Hz, VDSC 1.1, HDCP 2.2, MST)
GPIO	8 x GPIO (4-IN/4-OUT, 3.3V / 5V hardware-selectable)
Audio	1 x Line-out, 1 x Mic-in, 1 x Line-in (Option)
Button	1 x Power Button 1 x Switch Connector
Indicator	1 x Power LED
Expansion Slots	1 x Mini PCIe 3027/3051 (Wi-Fi module) 1 x M.2 B-Key 3042/3052 (4G/5G module)
Operating Environment	
RoHS	RoHS Compliant
Operating Temperature	-20~60°C (default) -30~70°C (optional)
Storage Temperature	-40~85°C
Humidity	95% RH @ 40 °C/104 °F
Shock Protection	Operating, IEC 60068-2-27, 50G, half sine, 11ms
Vibration Protection	Operating, IEC 60068-2-64, 2 Grms, random, 5 ~ 500 Hz, 1hr/axis
Ingress Protection	IP20
Optional Expansion Card *Supports one of the two expansion slots (selectable configuration)	
UART/ GPIO	UART: 4 x RS-232/422/485 (BIOS selectable) GPIO: 8 x GPIO (4-IN/4-OUT, 3.3V / 5V hardware-selectable)
USB & LAN	2 x USB 2.0 (Type-A) 2 x LAN ports (RJ-45)

Ordering Information		Optional Accessories	
Part Number	Descriptions	Part Number	Descriptions
E29461000280601G	2P, Pitch 3.81mm, 300V, 8A	7114010120060102	1 x Adapter, DC 12V, 60W
E29090000390002G	1 x PHOENIX CONN/PH 5.08 3P	2502003018000000	1 x AC Power Cord
E29091500580600G	2 x 3.5mm 1x5P, Green, 5P	6602755701500000	2 x RP SMA PLUG, Wi-Fi 6, 6E Band
		6491000051000101	1 x 4G LTE, M.2 B-Key, 3042, GNSS, Global
		6491005201000100	1 x 5G LTE, M.2 B-Key, 3052, Global, 5GSUB6, GNSS
		3440121321283000	1 x M.2 B+M Key, 2242, SATA3, TLC, 128GB
		6490972031000000	1 x mPCIe Wi-Fi 6 Module (Wi-Fi 6E) + Bluetooth
		3251008560020001	1 x DDR5, SO-DIMM, 16GB





- **Powered by Intel Alder Lake-N**
Intel N97 Alder Lake-N Ultra low Power Processor- Balances Efficiency & Performance.
- **Next-Gen DDR5 Memory**
Supports up to 16GB SO-DIMM (4800MT/s)
- **Dual 4K Display Support**
Dual 4K Display Support- HDMI 2.0b and DisplayPort 1.4 (4K @ 60Hz).
- **Hardware Security**
TPM 2.0 onboard for data protection.



ACS-330 is a high-performance, fanless, and compact embedded edge AI box PC powered by the Intel Processor N97. Designed for versatility, it supports Hailo's NPU, offers rich I/O interfaces, flexible expansion options, diverse video outputs, and compatibility with AI acceleration cards. It is ideal for a wide range of AIoT applications, including industrial automation, AMR systems, and smart transportation.



Rugged and Reliable
Built to withstand harsh environments with wide-temperature support (-20°C to 60°C).



NPU Expandability
Allows integration with AI accelerators for enhanced machine learning applications.



High-Speed Networking
Dual 2.5GbE LAN ports for ultra-fast data transfer.



Compact & Robust
Ideal for compact spaces with wall mount and DIN-rail support.



Supports Wi-Fi, 4G/5G connectivity
real-time data transmission, and enhanced network reliability in industrial applications.



Built for IoT & AI Edge Computing
Supports smart automation & real-time processing.

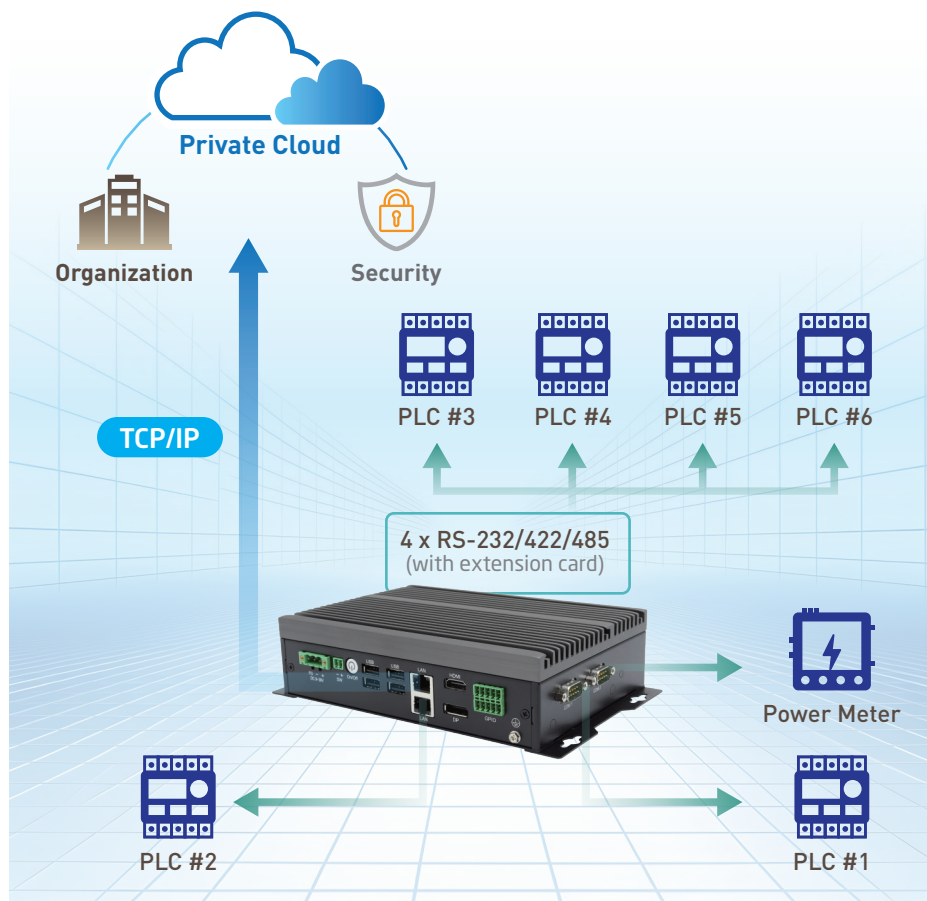


Certified for Industrial Standard
Compliance with UL 61010-2-201 ensures safety and reliability.

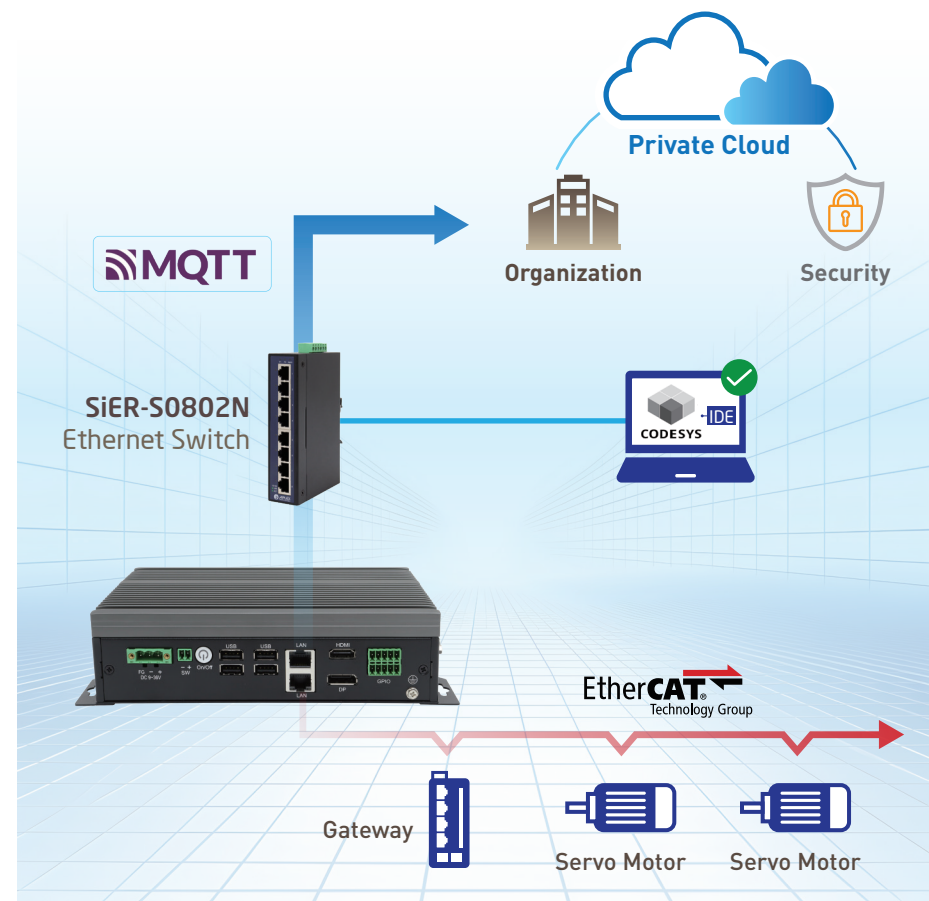


Optional Expansion Modules
Optional 4 x UART & 8 x GPIO or 2 x USB 2.0 and 2 x PSE expansion modules.

PLC Protocol Gateway of Data Integration System



CODESYS Software with EtherCAT Fieldbus Systems



Entry-style Machine Vision Controller

