

nPAC2000 Series

Compact Power. Industrial Intelligence.



Category	Specification
Product Name	nPAC2000 Series Programmable Automation Controller
Processor (CPU)	Intel Atom® x6212RE Processor, 1.20 GHz
Memory	4GB LPDDR4-2133 (onboard)
Storage	1 x M.2 2242 (B-Key, SATA)
Display Interface	1 x HDMI (1920 x 1080 resolution, isolated)
External I/O Ports	2 x USB 3.0 1 x RS485/RS422 (isolated) 2 x RJ45 GbE LAN (Intel I210-IT, WoL, Teaming, PXE) (Optional: 3rd RJ45 Fieldbus)
Internal I/O	1 x USB 2.0
LAN Features	LAN speed & Link/Active LEDs
Power Input	+24V DC ±20%, reverse polarity protection
Power Connector	5-pin Phoenix contact (RS485/422)
Operating Temperature	-15°C to 60°C
Storage Temperature	-40°C to 85°C
Humidity	95% RH, non-condensing
Shock Protection	10G @ 11ms (IEC60068-2-27)
Vibration Protection	Random: 1Grms @ 5–500 Hz Sinusoidal: 1Grms @ 5–500 Hz
Construction	PC/ABS chassis with aluminum extrusion heat sink
Dimensions (W x D x H)	95mm x 100mm x 76mm
Certifications	CE (EN61326-1, EN61000-6-2, EN61000-6-4, EN61131-2) FCC Class A
Supported OS	Windows 10 Enterprise (64-bit)
OLED Display	User-defined content 2 rows, 20 ASCII characters per row
Expansion (Left Side)	1 x Mini-PCIe (optional mSATA/Fieldbus/Wi-Fi/4G LTE/3.5G)
Slice I/O Modules (Right Side)	Power Module (24V DC) 8x DI (24V DC) 8x DO (24V DC, 0.5A, NPN) 4x AI (12-bit, 0–10V) 4x AO (12-bit, 0–10V) 32-bit Counter (Up to 2 MHz)
Software Options	CODESYS SoftPLC CODESYS SoftMotion TargetVisu WebVisu

Model	P/N	Operating System	Storage	LAN Ports	Pre-Installed Software
nPAC2000-E01	10P10200000X0	—	—	2 x LAN	—
nPAC2000-E02	10P10200005X0	—	—	3 x LAN	—
nPAC2000-E01GW	10P10200001X0	Windows 10	128GB	2 x LAN	VIC-Flow
nPAC2000-E01CDS	10P10200002X0	Windows 10	128GB	2 x LAN	CODESYS SoftPLC
nPAC2000-E02CDS	10P10200003X0	Windows 10	128GB	3 x LAN	CODESYS SoftPLC