

# DPAC-1000 Series

Distributed Programmable Automation Controller with Four COM Ports  
(Intel® Atom™ N270 1.6 GHz CPU)



- 1 Software & Utilities
- 2 DAQ
- 3 PXI
- 4 Modular Instruments
- 5 GPIB & Bus Expansion
- 6 Motion Control
- 7 Real-time Distributed I/O
- 8 PAC
- 9 Remote I/O
- 10 Communications
- 11 Vision
- 12 Fanless Embedded Computers
- 13 cPCI & Industrial Computers

## Specifications

Model Number	DPAC-1000-1N	DPAC-1000-1I
<b>System</b>	CPU	
<b>Hardware</b>	Intel® Atom™ N270, FSB 533, 1.6 GHz	
Cache	512 KB L2 cache	
System Memory	1 GB DDR2 SDRAM	
Battery Backup SRAM	512 KB, battery model: CR2032 (Recommended)	
BIOS	Award BIOS, support PnP, customized by ADLINK	
Programmable Button	4 (Specific function can be programmed by users)	
Digital Display	5 digits, user programmable	
Internal Storage	CompactFlash, 4 GB	
External Storage	CompactFlash Type I, optional	
VGA	CRT: 2048 x 1536 resolution @ 70 Hz (QXGA); LCD: Single or dual channel 18-bit TFT with resolution from 640 x 480 (VGA) up to 1600 x 1200 (UXGA)	
Watchdog Timer	Programmable timer ranges to generate RESET	
GPIO	4 DI/4 DO onboard (Support one 32-bit counter up to 20 KHz)	
Keyboard/Mouse	Combined PS/2 type mini-DIN connectors	
<b>Communication</b>	USB	
USB	2 USB ports, rev 2.0 compliant	
Ethernet	Dual LAN, 10/100 Base-T RJ-45 ports	
COM Port	COM1 supports RS-232; COM2 supports RS-232/RS-422/RS-485 with DB-9 connectors (RS-485 with auto data flow control); COM3 and COM4 support RS-232/RS-422/RS-485 with RJ-45 connectors (RS-485 with auto data flow control)	
<b>Environment</b>	Humidity	
Humidity	95% @ 60°C	
Operating Temperature	0 - 60°C @ 5% - 85% RH	
Vibration Protection (In Operation Test)	IEC 68 2-64 (Random 3 axes, 30 min/axis) CompactFlash: 5 Grms @ 5 - 500Hz	
Shock Protection (In Operation Test)	IEC 68 2-27 CompactFlash: 100 G @ wall mount, half sine, 11 ms	
<b>General</b>	Certification	
Certification	CE/FCC Class A	
Mounting	Wall mounting, vertical placement	
Power Input	10 V <sub>DC</sub> - 30 V <sub>DC</sub> , 2.55 A, 30 W with 3-pin connector	
Power Consumption	30 W (Typical), Isolation	
Dimensions	162 mm (H) x 150 mm (D) x 50 mm (W) (Vertical placement)	
Embedded OS	Windows® XP Embedded (English Version)	
CoDeSys (SoftPLC) Run Time	No	Yes