

DPAC-3000 Series

Distributed Programmable Automation Controller with HSL and Motionnet Buses
(Intel® Atom™ N270 1.6 GHz CPU)



Specifications

Model Number		DPAC-3000-1N	DPAC-3000-1I
System	CPU	Intel® Atom™ N270, FSB 533, 1.6 GHz	
Hardware	Cache	512 KB L2 cache	
	System Memory	1 GB DDR2 SDRAM	
	Battery Backup SRAM	264 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	
	HSL Bus (Distributed I/O) (Step Technica)	One port support 12M/6M/3M bps full duplex	
	Motionnet Bus (Distributed Motion) (NPM)	One port support 20M bps (Max.)	
	GPIO	4 DI/4 DO onboard (Support one 32-bit counter up to 20 KHz)	
	Keyboard/Mouse	Combined PS/2 type mini-DIN connectors	
Communication	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)	
Environment	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	
General	Certification	CE/FCC Class A	
	Mounting	Wall mounting, vertical placement	
	Power Input	10 V _{DC} - 30 V _{DC} , 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