














Driver Support

Model Number	Description	Page Number	Windows® 2000/XP	Windows® CE.NET	Windows® Vista	Linux®	Labview®	MATLAB®	RTX
									
GEME Series									
GEME-12000	AMD Geode™ LX800 General Embedded Machine Engine	2-4	●	●		●			
GEME-42000/52000	Ultra Low Voltage Intel® Celeron® M 1GHz / Low Voltage Intel® Pentium® M 1.4GHz General Embedded Machine Engine	2-5	●	●		●			
GEME-2000/3000	Ultra Low Intel® Voltage Celeron® 650 / Intel® Pentium® III 800 General Embedded Machine Engine	2-6	●	●		●			
Motion Control									
PCI-8144	4-axis Stepper Motion Control Card	3-5	●		●				
PCI-8102	Advanced 2-axis Stepping & Servo Motion Control Card	3-6	●		●	●			●
PCI-8132	Entry-level 2-axis Stepper & Servo Motion Controller Card with 16-CH GPIO	3-7	●		●	●	●		
PCI-8134	Entry-level 4-axis Stepper & Servo Motion Controller Card	3-9	●		●	●	●		
PCI-8164/PXI-8164	Advanced 4-axis Stepper & Servo Motion Control Cards with High-Speed Triggering	3-11	●		●	●	●		
PCI-8158	Advanced 8-axis Stepper & Servo Motion Control Card with Modularized Design	3-13	●		●	●			
PCI-8174	Advanced DSP-based 4-axis Stepper & Servo Motion Control Card	3-15	●		●				
PCI-8253/8256	3/6 axis Analog DSP-based Motion Control Cards	3-17	●		●				
PCI-8372+/8366+	DSP-based SSCNET II 12/6-axis Motion Control Cards	3-19	●		●				
PCI-8136	6-CH Quadrature Encoder and Multi-Function I/O Card	3-21	●		●	●			
PCI-8133	3-CH Quadrature Encoder and 3 PWM Output Card	3-23	●		●				
PCI-8124	Advanced High-speed 4-CH Trigger Card	3-24	●		●				
cPCI-8168	Advanced 6U CompactPCI 8-axis Motion Control Card with One HSL Network Inside	3-25	●		●				
cPCI-8312H	Advanced 6U CompactPCI SSCNET II 12-axis Motion Control Card with HSL Network	3-27	●		●				
MPC-8164	Advanced 4-axis Stepper & Servo Motion Control Card with High-Speed Triggering	3-29	●		●		●		
Vision									
PCI-MPEG24	4-CH MPEG4 Hardware Real-Time Video Compression Card	4-2	●			●			
RTV-24	4-CH Real-time Video Capture Board for Standard Cameras	4-3	●	●		●	●	●	
cRTV-24/44	3U/6U CompactPCI 4-CH Real-time Video Capture Board	4-4	●	●		●	●	●	
GEME-X52000	4-CH Real-time Video Capture Compact Vision Platform	4-5	●						
GEME-W52000	4-CH Double speed, On-the-fly Inspection Compact Vision Platform	4-6	●						

Model Number	Description	Page Number	Windows® 2000/XP	Windows® CE.NET	Windows® Vista	Linux®	Labview®	MATLAB®	RTX
									
HSL									
PCI-7853/54	High Speed Link Master Controller Interface Cards	5-4	●		●	●			●
PMC-7852G	High Speed Link master controller interface card with panel for GEME series	5-4	●			●			●
Communications									
PCI-7841/cPCI-7841	Dual-port Isolated CAN Interface Card	6-2	●		●				
C588/C584/C518/ C514/C485/C422	PCI-based Serial Communications Cards	6-3	●		●				
cPCI-3534/3538	4/8-port Asynchronous Serial Communications Modules	6-4	●		●				
cPCI-3544	4-port RS-422/485 Isolated Serial Communications Module	6-5	●		●				
cPCI-8994	6U CompactPCI 4-port IEEE-1394A & 4-port RS-232 Card	6-6	●						
CompactPCI Boards & Single Board Computers									
cPCI-6841	6U CompactPCI Single Slot Intel® Pentium® M Processor System Host SBC	7-4	●		●				
cPCI-6842	6U CompactPCI Dual Slot Intel® Pentium® M Processor System Host SBC	7-5	●		●				
NuPRO-842/P	PICMG 1.0 Full-Size Socket 478 Intel® Pentium® 4 SBC with DDR, Dual GbE, Mini-PCI and Cooler kit	7-9	●		●				
NuPRO-852	PICMG 1.0 Full-Size LGA775 Intel® Core™2 Duo SBC with DDR II, GbE, SATA II, IDE	7-10	●		●				
NuPRO-850	PICMG 1.2 Full-Size Intel® Pentium® 4 SBC with distreat ATi GPU, DDR, GbE, Serial ATA, LVDS and Mini-PCI Slots	7-11	●						
NuPRO-900A	PICMG 1.2 Full-Size Intel® Xeon® SBC with ATi Rage XL graphics card, DDR, Dual GbE and Cooler kit	7-12	●		●				
NuPRO-965	PICMG 1.3 Full-Size LGA775 Intel® Core™2 Duo SHB with DDR II, Dual GbE, SATA II, IDE	7-13	●		●				
NuDAM									
NDP-243/243U	Panel Mounting Power Supply	8-2	●		●				
ND-6510/20/30/31	Converter Modules	8-3	●		●				
ND-6013/17/18/ 21/24	Analog Modules	8-4	●		●				
ND-6050/52/53/ 54/56/58/60/63/ 67/80	Digital Modules	8-5	●		●				
ND-8511(D)	Serial to Ethernet Data Converter	8-6	●		●				

1
Software

2
GEME

3
Motion Control

4
Machine Vision

5
High Speed Link

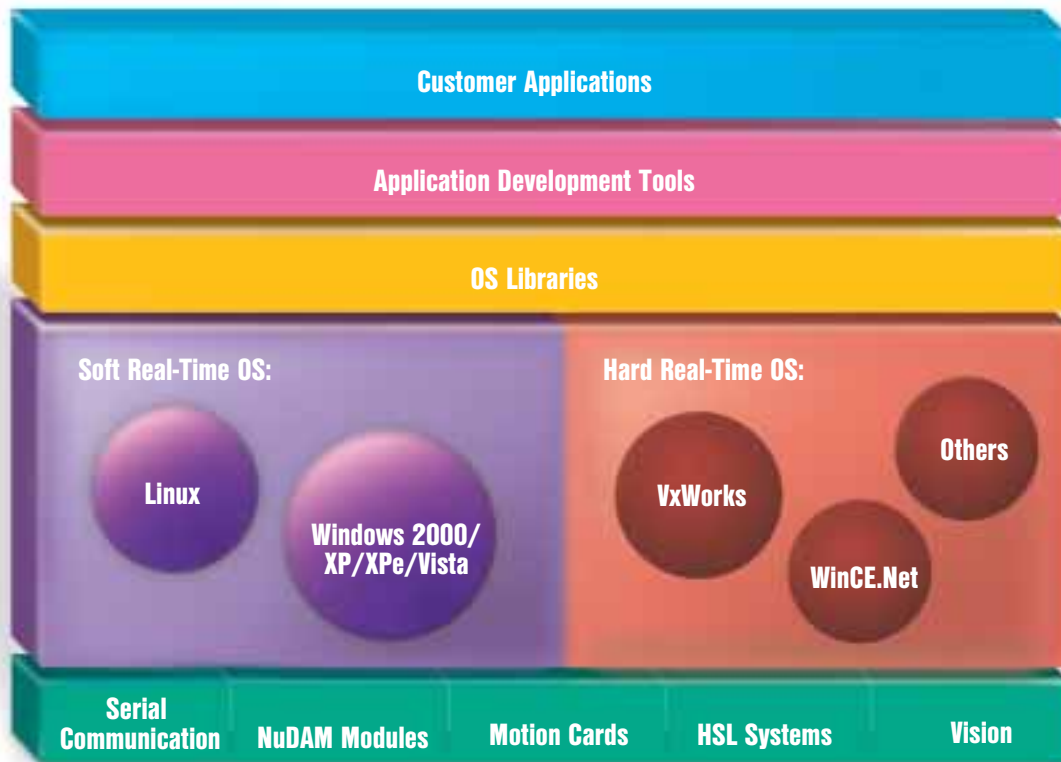
6
Communications

7
cPCI & IPC

8
NuDAM

Operating System Support

Various OS Support ❖



Overview

In the industrial automation application industry, ADLINK knows that customers have different requirements for various applications supported by different Operating Systems (OS). Some industrial automation applications only need Soft Real-Time OS support (i.e. Windows 2000/XP/XPe, Linux, etc.). Other applications need Hard Real-Time OS support (i.e. RTX, VxWorks, Windows CE.Net, etc.).

In order to meet customers' requirements and provide good technical support, ADLINK provides many different device drivers for our products to support the most popular Operating Systems.

Currently, ADLINK hardware product includes DOS and Windows 2k/XP and Linux drivers. If customers need driver support for other Operating Systems, ADLINK can provide driver OEM modification services.

Driver Supporting List

Default Driver Support	Windows 2000/XP, and Linux
Driver Modification service (for Volume OEM Customers)	Windows CE.Net

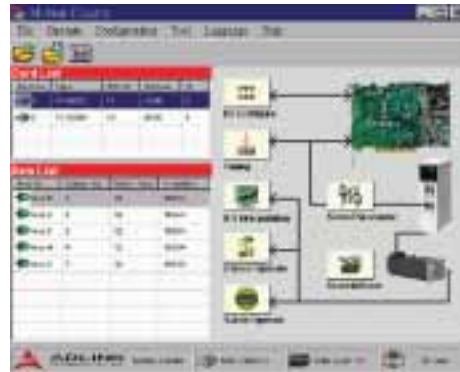
Responsive Utilities

Assist developers in evaluating and verifying hardware under Windows 2000/XP ❖

▣ MotionCreator

MotionCreator provides a simple yet powerful means to configure and evaluate motion control systems. MotionCreator offers the following features:

- Operation under Windows 2000/XP
- Access and configuration of motion control systems
- Direct access to general purpose I/O
- Support for absolute and relative, trapezoidal and S curves, home return
- Ability to access all servo driver parameters (PCI-8372/8366 only).



▣ ViewCreator

ViewCreator provides a simple yet powerful means to setup, configure, test, and debug vision systems, it offers the following features:

- Operation under Windows 2000/XP
- Access and configuration of Angelo series cards
- Video picture adjustment
- Direct access to general purpose I/O
- FULL, CIF, or QCIF Image sizes; 2x2 or 4x4 display



▣ HSL LinkMaster Utility

The HSL LinkMaster utility is used to scan and test slave devices. It offers the following features:

- Operation under Windows 2000/XP
- Scan and access of HSL slave I/O modules



▣ NuDAM Administration

NuDAM Administration provides a user-friendly and powerful interface to initialize, configure, and test NuDAM modules. It offers the following features:

- Operation under Windows 2000/XP
- Scan and configure NuDAM modules
- Calibration and diagnostic of NuDAM modules
- Terminal evaluation to control all modules remotely by using command strings



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Software

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