

Pinnacle™

Covering Your Access Control Security from Start to Finish

Pinnacle® Software Series – Open. Module. Scaleable. Intuitive. Pinnacle meets the demands for more precise control, greater flexibility, and enhanced security for facilities ranging in size from a small office with a single entrance to a building campus with multiple entry points.

	Lite	Standard	Plus	Professional
Number of Online Readers ¹	32	64	128	Unlimited
Number of Cards	2,000	4,000	10,000	Unlimited
Client Workstations/ Operator Use	Single User Operator	1 to Unlimited	1 to Unlimited	1 to Unlimited
Addressable Controllers	Unlimited	Unlimited	Unlimited	Unlimited
Time Zones ²	Unlimited	Unlimited	Unlimited	Unlimited
Total Access Levels (Clearances) ³	Unlimited	Unlimited	Unlimited	Unlimited
Individual Expiring Access Levels per Cardholder ⁴	99	99	99	99
Number of Cardholder Custom Fields	Unlimited	Unlimited	Unlimited	Unlimited
Alarm Levels (with advanced alarm notification)	99	99	99	99
Holidays	32	32	32	32
User Privileges	Included	Included	Included	Included
Event Filtering (including email support)	Included	Included	Included	Included
Local, Regional, and Global I/O Links ⁵	Included	Included	Included	Included
Hardware COM Server Licensing ⁶ (Multi-Hardware Server support w/Universal I/O linking)	N/A	N/A	N/A	Optional
Access Level Input and Output Control	Included	Included	Included	Included
On-Screen Image Enhancement	Included	Included	Included	Included
Image Library	Included	Included	Included	Included
Multiple Card Formats	Included	Included	Included	Included
System Reminders	Included	Included	Included	Included
Scheduler (for recurring functions)	Included	Included	Included	Included
Multiple COM Ports	Included	Included	Included	Included
Remote Dial-up	Included	Included	Included	Included
Standard Reports	Included	Included	Included	Included
Database Partitioning	N/A	Optional	Optional	Optional
Custom Report license with use of Crystal Reports v9.0 ⁷	N/A	Optional	Optional	Included
Kalatel DVMRe Interface	N/A	Optional	Optional	Included
Photo ID Badging ⁸	Optional	Optional	Optional	Optional
Visitor Management	Optional	Optional	Optional	Optional
Integrated Graphical Mapping (mid '06)	Optional	Optional	Optional	Optional
Software Dev. Kit (SDK)	N/A	Optional	Optional	Optional

Standalone Application Utilities Built With Pinnacle's SDK

EventLink (included): Cardholder's image displayed with a corresponding reader event
 Administration Management (included): Scan for unused/unnecessary items
Library I/User Interface Utilities – Optional with Pinnacle Lite, Standard, Plus, or Professional
 Door Icon and Extended Door Control: Unlock, lock or temporarily unlock selected doors
Library II/Functional Utilities – Optional with Pinnacle Standard, Plus, or Professional only
 Event Counter: Increment and decrement a counter based on user-defined events
 n-Man Rule / Occupancy Restrictions: Set occupancy rules based on count, time, and cardholder use
 Independent Report Processor: Execute reports for pre-configured templates and formulas
 Email Report Scheduler (mid '06): Schedule Pinnacle report generation with direct emailing

¹ The starting recommendation for LANLink is to limit the number of readers to 512 per Hardware COM Server (equivalent to 256 TC modules per Hardware COM Server); 16 or less Main Controllers should be the target limit per COM port

² Although Pinnacle supports unlimited Time Zone assignments, 16-bit and 32-bit controller storage limits Time Zones to 64 per TC module (2 fixed as "never" and "always")

³ Although Pinnacle supports unlimited total Access Levels, each TC module is limited to 256 total access levels (also see individual cardholder limitations below)

⁴ Pinnacle supports 99 individually expiring Access Levels per cardholder with up to three per cardholder sent to respective TC modules in order of set priority for each cardholder; server authorized enhanced assists are initiated for cardholder Access Levels of lower priority

⁵ Local = I/O linking within the same TC module; Regional = I/O linking within the same AC-900 Main Controller (not applicable with LANLink controllers); Global = I/O linking across AC-900 Main and/or LANLink Controllers within the same server

⁶ Hardware COM Server (Multi-Hardware Server) architecture supports Universal I/O linking across hardware servers

⁷ Crystal Reports not included

⁸ Licensing varies with different Pinnacle levels

Minimum Requirements: Pinnacle Server and Client Workstations

Operating System (OS Not Included)	Lite, Standard, Plus, and Clients: Windows® 2000 Server w/SP4 OR XP Professional w/SP2 OR Server 2003, Standard Edition w/SP1 (see notes) Professional: Windows 2000 Server w/SP4 OR Server 2003, Standard Edition w/SP1 (see notes)
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Database Engine	See the SQL guidelines below
Free Hard Disk Space	1 GB hard disk space
Processor (see Notes)	Lite, Standard, Plus, and Clients: Pentium® III 1.0 GHz Professional: Pentium 4 2.4 GHz
Memory (see Notes)	Lite, Standard, Plus, and Clients: 512 MB Professional: 1 GB
CD-ROM	10X or higher
Monitor/Video	17" SVGA (1024 x 768)
Network Card	10/100bT
Mouse	PS/2, USB, or Serial bus type
Ports	2 serial, 1 parallel, USB
Modem	56.6 Kps
Sentinel (required)	Included USB or Parallel (specify w/order)

Microsoft SQL Server 2000 w/SP3a Database Engine Guidelines

Lite, Standard, and Plus:
 Microsoft SQL Server 2000 Desktop Engine (MSDE) included; greater than 128 readers OR 10K cardholders OR 5K events per hour OR 4 client workstations OR database partitioning requires the use of MS SQL Server 2000, Standard or Enterprise Editions (not included)

Professional:
 Standard or Enterprise Editions required (not included)
 MSDE is included only to start

Notes

- Only Pinnacle v3.0 or later is certified with Windows Server 2003, Standard Edition; Windows Server 2003 Enterprise, Web, or Datacenter Editions have not been tested
- Windows-based firewalls must be disabled for use with Pinnacle
- Certain Pinnacle screens, such as the device tree, requires MS Paint to be resident on your computer (included with Windows)
- Actual requirements may vary; increasing memory and processor speed has been found to improve performance
- Specifications and availability are subject to change without notice



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