



DesktopDirect™ enables workers to seamlessly access their desktop PCs from any location as if they were in the office. Employees can use their home PC, iPhone, iPad or Android device to remotely view and control their office PC. DesktopDirect uniquely leverages proven technology that is simple, scalable and secure to deliver the industry's only comprehensive, enterprise-class remote desktop access solution that also incorporates anti-spyware and anti-keystroke logging.

■ Remote Access for All

In order for organizations to retain their competitive advantage, all PC users need a way to work remotely. Until now, there has been no easy, scalable and cost-effective way to make office workers productive from any location without compromising security or control. DesktopDirect enables users to be productive from any location with full security. Office workers get a full view into their physical or virtual desktop resulting in immediate productivity, and you don't need to add them to the VPN user base or issue additional laptops.

■ Minimizes Security Risks

DesktopDirect's architecture utilizes strong encryption, AAA policies and data leakage protection in addition to providing administrators with centralized real-time control. AAA data is stored deep inside the company's trusted network without exposure to the public Internet. Potential attacks that could result from 3rd-party managed services are never an issue, and administrative control over user access to printers, drives and clipboards eliminates data leakage concerns. Anti-spyware, included with DesktopDirect, blocks endpoints from capturing sensitive corporate data.

■ Eliminates Energy Waste

DesktopDirect's power management delivers the industry's only energy-efficient remote desktop solution that allows office PCs to be shut down when not in use, saving the average mid-sized company nearly \$200,000 in annual energy costs. What's more, DesktopDirect can reduce a company's overall environmental impact by nearly 1,400 tons in CO2 emissions.

■ Intuitive End-User Experience

Employees their home PC browse to a URL (determined by the system administrator) and enter their credentials (the same credentials they enter every day to log in to their desktop PC). After logging in, a window presenting their desktop automatically launches and DesktopDirect users do not need to modify their daily behavior. Employees with iPhone, iPad or Android mobile devices simply launch the DesktopDirect app (available in the Apple AppStore and Android Marketplace) and enter their credentials.

Because users access their existing IT profile there are no new passwords to remember or client applications to learn, and no new user profiles for IT to create. At the end of the work day, users power down their desktop computers as they normally would or have it automatically enter power save mode. If a desktop needs to be remotely accessed by a user DesktopDirect will power up user's desktop, exactly as if they were in the office.

■ Easy to Deploy and Manage

DesktopDirect features Array Registration Technology (ART), which maintains data about users and their registered desktops, determines desktop availability, manages power management capabilities and establishes sessions between remote clients and office desktops.

ART ships standard with DesktopDirect and enables administrators to choose whether to manually register desktops (individually or in bulk) or allow dynamic self-registration of desktops directly by users. DesktopDirect authenticates user identities via existing AAA servers and does not require new authentication infrastructure. Manual client

DesktopDirect Highlights

- **Mitigate business disruptions and augment business continuity planning (BCP)** via seamless secure remote access to office desktops
- **Ideal for office workers** who need occasional or frequent access to their office desktops from personal devices, e.g. iPad, laptop, home desktop or smart phone
- **Data leakage protection and cloud / datacenter-based architecture** minimize security and compliance risks
- **Support for both physical and virtual desktop (VDI) environments**, e.g. XenDesktop and VMware View™ simplifies deployment while increasing flexibility
- **Anti-spyware** ensures that the endpoint device does not compromise the corporate network and data
- **Built-in power management** boots up PCs on demand to reduce power costs and energy footprint
- **DesktopDirect's easy 3-step login process** is intuitive and user-friendly, eliminating the need for training
- **Auto-registration option** enables rapid and painless deployment
- **iPad, iPhone and Android** support optimizes the user experience and personalization while enabling full application availability
- **Support for tablets and virtual desktops** provides IT with a solution for addressing the consumerization of IT and a migration path for transitioning to virtual infrastructure

installation and configuration are eliminated and any PC – Microsoft Windows XP and higher – running IE, FireFox or Chrome browsers is supported.

■ VDI Integration

DesktopDirect offers seamless integration with XenDesktop and VMware View. With a few simple configuration steps, users will be presented with desktops available to them through the company's VDI environment in addition to any physical desktop they normally have access to.

Office Desktop Requirements

Operating System (32 and 64 bit)

- Windows XP Pro
- Windows Vista
- Windows 7

Remote Desktop Requirements

Operating System (32 and 64 bit)

- Windows XP Pro & Home Edition
- Windows Vista
- Windows 7

Browser

- Internet Explorer 7.0 and higher (Windows)
- Mozilla Firefox 3.0 and higher (Windows)
- Google Chrome 3.0 and higher (Windows)

Mobile Devices

- iPhone
- iPad & iPad2
- Android 2.2 (with multi-touch screen)

Performance & Capacity

- Scale up to 12,000 Concurrent Users
- Platform dependent performance
- N+1 clustering with failover (32 systems)

DesktopDirect Thin Client

- Included in and deployed from appliance
- Utilizes local RDP client
- RDP 5.0 or higher
- RDP auto-update/deployment

User-controlled Parameters

- Screen size, color depth, sound
- Redirection (if permitted by admin)
- Multiple monitors
- Performance tuning

Redirection Control

- Drive
- Printer
- Ports
- Smart cards
- Clipboards

Power Management

- Remote power management via WoL
- Unique WoL relay technology

Security

- Hardened OS
- Admin control of printer, clipboard and drive access

Encryption

- AES
- 1024 & 2048 bit
- DES/3DES - SHA/MD5
- TLS support

End-point Security

- Host checking
- Cache cleaning
- Secure desktop

Control (AAA)

Authentication

- LDAP, RADIUS, AD, Local DB
- Advanced single sign on (SSO)
- Two-factor authentication
- RSA Certified

Authorization

- Available desktops and redirection conditional upon end-points

Auditing

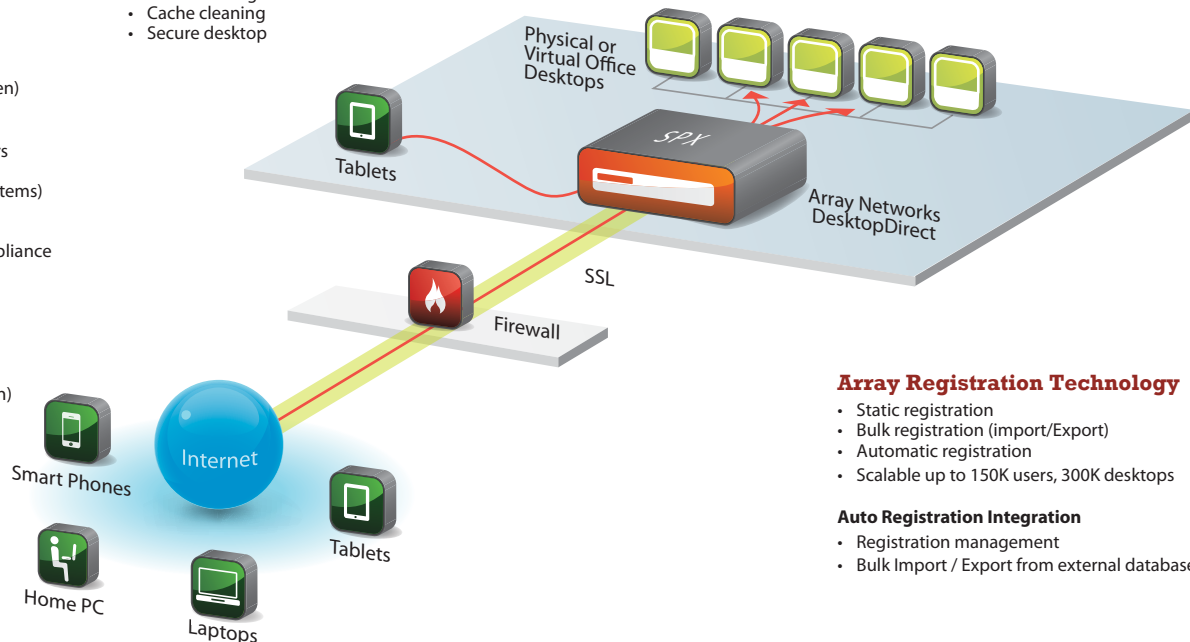
- Full audit trail in WebTrends WELF format
- Logs all user activity- success, failures, attacks

System Management

- WebUI
- CLI
- SSH
- SNMP
- XML/RPC
- Remote portal wizard
- Registration portal wizard

Logging/Monitoring

- Syslog
- Alarm/trap
- Traffic log/Web Trend
- Stats/counters, SNMP MIB



Array Registration Technology

- Static registration
- Bulk registration (import/export)
- Automatic registration
- Scalable up to 150K users, 300K desktops

Auto Registration Integration

- Registration management
- Bulk Import / Export from external databases

	SPX1800	SPX2800	SPX4800	SPX5800	SPX6800
SSL Processing	HW	HW	HW	HW	HW
Ports	4 GE	4 GE	4 GE	4 GE Opt. 2 x Fiber	4 GE Opt. 2 x Fiber or 2 x 10 Gig Fiber
Maximum Concurrent Users	100	1,200	6,000	12,000	12,000
Maximum Throughput	100 Mbps	200 Mbps	400 Mbps	850 Mbps	850 Mbps
Form Factor	1U	1U	1U	2U	2U
Power Supply	Single	Single	Single	Dual	Dual
Clustering	Active/Active or Active/Passive	Active/Active or Active/Passive	Active/Active or Active/Passive	Active/Active or Active/Passive	Active/Active or Active/Passive

SPX1800
SPX2800



SPX4800



SPX5800
SPX6800



Technical Specifications					
Support	Bronze, Silver, and Gold Level Support Plans			Dimensions	SPX1800, SPX2800, SPX4800: 17.0" W x 15.0" D x 1.75" H, or 1U SPX5800, SPX6800: 17.0" W x 21.5" D x 3.50" H, or 2U
Warranty	1-Year Hardware; 90-Day Software			Weight	SPX1800, SPX2800, SPX4800: 13.6 lbs SPX5800, SPX6800: 30.0 lbs
SPX1800, SPX2800, SPX4800	10/100/1000 Base-TX IP, SecurID, SSH, SSL-TLS, HTTP 1.0/1.1, SNMP			Environmental	Operating Temperature: 0° to 40°C, Humidity: 0% to 90%, Non-condensing SPX1800, 2800, 4800: 100-240VAC, 2.8 A, 47-63Hz, Auto-ranging SPX5800, 6800: 100-240VAC; 6A; 47-63Hz, Full-range input, Redundant, Hot Swappable
SPX5800, SPX6800	10/100/1000 Base-TX, 1000 Base-SX, 10 Gig Fiber, IP, SecurID, SSH, SSL-TLS, HTTP 1.0/1.1, SNMP				
Management	SSH CLI, Direct Console CLI, SNMP, Single Console for Cluster, Array Pilot (Secure WebUI) for ArrayOS, XML-RPC			Regulatory Compliance	IEC 60950-1, LU/CSA 60950-1, EN 60950-1, ICES-003, EN 55024, CISPR 22, AS/NZS 3548, FCC, 47FR part 15 Class A, VCCI-A
Console Port	Male DB9 Serial (RS232) Port			Safety	CSA, C/US, CE

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Array Networks, Inc.

1371 McCarthy Blvd. - Milpitas, CA 95035
Phone: 408-240-8700 - Toll Free: 1-866-MY-ARRAY
arraynetworks.net