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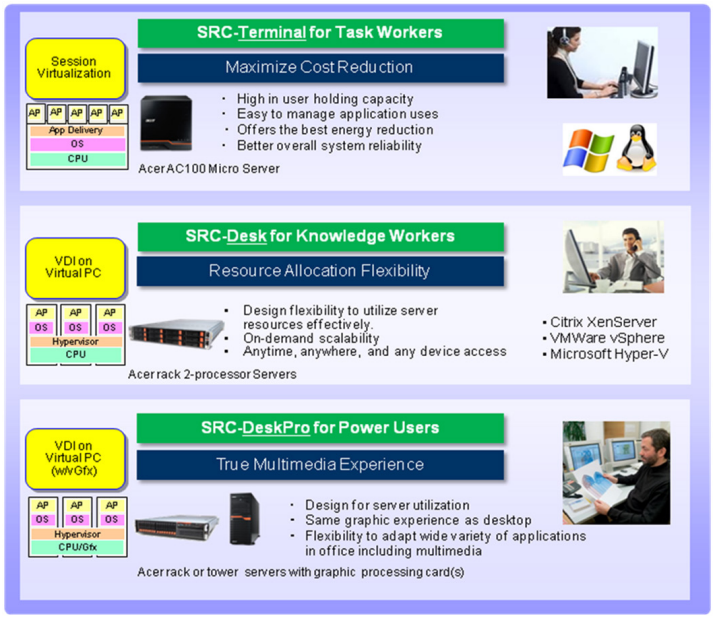
# Acer Shared Resource Computing (SRC) Solution Brief

As business grows, the number of personal computers and servers continues to stagger, and the cost is incremental to maintain and service. More and more business and public sectors begin to seek advantage of SRC concept by utilizing resources (servers, desktops, storage, and etc) more effectively and to reduce each individual device's cost and maintenance using cloud technology.




## Solution Portfolio

Acer offers three types of SRC solutions to adapt different business and public sector environment: SRC-Terminal in typical office operation environment; SRC-Desk in office operation with multi-productivity applications environment; SRC-DeskPro in wide variety of office settings including multi-productivity and multimedia applications.

## Key benefits

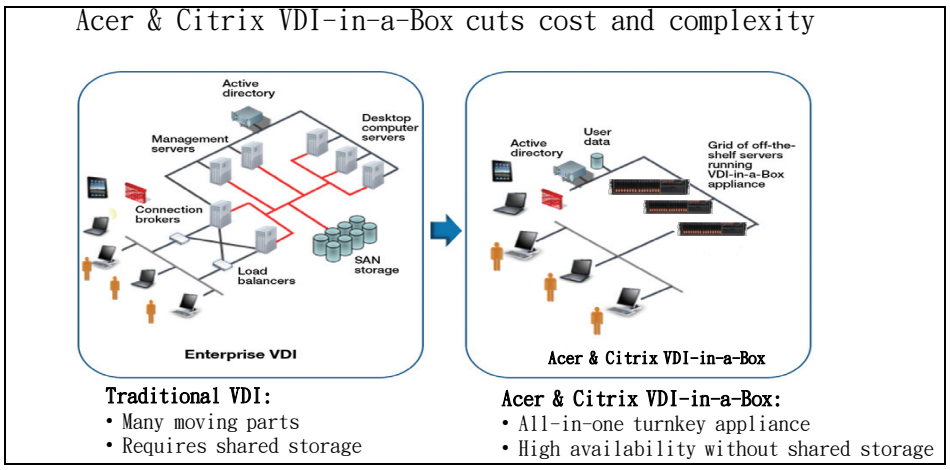
- Fully optimized hardware resources for server and thin clients
- A virtual desktop can be deployed for less than the cost of a PC
- Eliminates over 60% of VDI infrastructure costs
- Increases service levels with built-in high availability[1]
- Start small and scale on demand[1]
- Go from zero to production in within few hours[2]
- Provide end-user access anytime, from anywhere, on any device[1]

[1] Only available in certain configurations and solutions.

[2] With basic network and IT background experience

## Acer Shared Resource Computing (SRC)-Desk solution

Small and medium businesses need their IT infrastructure to be flexible, reliable, and secure to meet their dynamic business need, but for less than it would cost their enterprise counterparts. Acer and Citrix® VDI-in-a-Box optimizes Acer tower and rack servers to provide a virtual appliance environment that eliminates an expensive and complex IT infrastructure. Powered by Acer server and Citrix® VDI technology, the Acer SRC-Desk solution delivers an immediate return on investment (ROI) thanks to its easy setup, fewer management constraints, and increased freedom to work like a traditional desktop PC.




Teaming up with Citrix, Acer unleashes an effective computer-sharing resource solution for budget-conscious SMBs. As servers become more powerful, computing resources are often left unused; the all-in-one shared resource virtualization solution offers a centrally managed yet friendly, secure, and reliable computing environment.

## Key features

### Optimized hardware resource

Designed to handle multiple tasks via multi-core processors, high-speed DDR3 memory and SAS HDD technology, Acer servers deliver flexible virtualization performance and high-energy efficiency. Even if a server is running at full load, the hardware power consumption from using shared-resource computing will still result in significant power savings.

Acer offers a variety of client device choices, including Android and iOS platforms. These options provide flexible PC alternatives in the cloud environment without spending additional money.

### Reduced costs

With Acer servers and directly attached storage (DAS), Acer SRC thru Citrix VDI-in-a-Box eliminates the need for specialized servers and expensive SAN storage. Integrated management and provisioning, software-based

load balancing, and connection-brokering technologies obviate the need for external management servers, load balancers, and connection brokers.

Centralized management cuts desktop management and support costs by up to 80%. For example, only the master images need to be updated and patched.

Acer and Citrix VDI-in-a-Box falls entirely under Windows® administrators' purview, thereby eliminating the need for specialized networking, virtualization, and storage administrators.

### High availability and on-demand scalability

- Grid architecture delivers built-in high availability without shared storage or connection brokers.
- A hot-pluggable grid can be reconfigured on demand without having to turn off a production grid.
- "Deploy as you grow" model allows on-demand expansion by starting small and adding more off-the-shelf servers to the hot-pluggable grid as needed.

### Simple setup, easy management

- All-in-one VDI software appliance (with built-in, policy-based dynamic desktop provisioning, load balancing, and connection brokering) enables full deployment in less than an hour.
- Innovative grid architecture automatically shares configuration and desktop images, and enables management of all servers as a single entity.
- Easy, centralized management cuts desktop management and support costs by up to 80%. IT resources are spent on managing centralized corporate desktop images versus individual endpoints.
- Intuitive, wizard-driven, point-and-click user interface abstracts virtualization details so a Windows administrator can set up and manage virtual desktops without any virtualization, SAN or datacenter expertise.

### Excellent quality of experience

- Citrix technology ensures excellent quality of desktop experience for end-users anytime, anywhere, using any device.
- Integration with Citrix user profile manager creates a custom end-user experience by delivering personalized virtual desktops.

### Open architecture

- Featuring an open architecture design that provides multiple options for your platform and protocol choices.
- Virtualization technology agnostic: Available on Citrix XenServer®, VMware vSphere™ and Microsoft® Hyper-V® hypervisors.
- Protocol agnostic: Supports both HDX and Microsoft® RDP technologies.

### Security and data protection

- Nothing is stored on the endpoint, thereby offering more security and data protection.
- Connection between endpoints and the grid is secured.
- Increased security with seamless single sign-on to a virtual desktop across a VPN.
- Policy-based automation enables administrators to set up access control policies per user.

## Acer servers

*Focused* – Acer servers are made with small and medium businesses in mind. Featuring a robust range of models in a variety of form factors and specifications, these servers ensure that our customers can have the exact right specifications for their needs.

*Simple* – Acer's standard specifications come with no strings attached. Except from the most entry-level AT110, all of Acer servers have an onboard management port and BMC chip for easy remote management and a suite of software management tools available at no extra cost. Additionally, Acer's standard configuration with option kit business model allows for users to have a solid base with flexibility for additional upgrades.

*Innovative* – Acer has, and is continuing to build, an innovative channel-focused business model to sell 100% indirect through our channel partners. In this way, the company provides training to ensure the best level of quality and service to our customers, as well as room for our partners to develop their own solutions with our products.

| Servers | AR380 F2 | AC100 | AT110 F2 |
|---|---|---|---|
| |  |  |  |
| Best for | SRC-Desk solution | SRC-Terminal solution | General purpose server |
| Processor | Intel Xeon E5-2600 | Intel® Xeon® E3-1200 series<br>Intel® Core™ i3 series | Intel® Xeon® E3-1200 series<br>Intel® Core™ i3 series |
| Number of processors | 2 | 1 | 1 |
| Memory | 24 x DDR3 registered or 16 x DDR3 unbuffered DIMMs<br>Max: 384 GB | 2 DIMMs DDR3 unbuffered<br>Max 8 GB | 4 DIMMs DDR3 unbuffered<br>Max 16 GB |
| Hard drive number | Up to 6 x 3.5" hot-swappable HDDs or<br>Up to 16 x 2.5" hot-swappable HDDs | 4 x 3.5" HDDs, hot-swappable HDDs | 4 x 3.5" HDDs, fixed |
| Onboard RAID | Intel SAS RAID 0, 1, 10<br>LSI SAS RAID 0, 1, 10 | Intel RAID 0, 1, 5, 10 | Intel RAID 0, 1, 5, 10<br>LSI RAID 0, 1, 10 |
| Onboard ports | **Front**<br>• 2 x USB 2.0 ports<br>• Video port<br>• Power on/off button<br>• LED indicators<br>**Rear**<br>• PS2 mouse and keyboard ports<br>• 2 x USB ports<br>• 4 x Gigabit LAN port (RJ-45)<br>• Video port<br>• Serial port | **Front**<br>• 2 x USB 2.0 ports<br>• Power on/off button<br>• LED indicators<br>**Rear**<br>• 2 x USB 2.0 ports<br>•1 x Gigabit LAN<br>• 1 x Video port<br>• 1 x Serial port<br>• 1 x eSATA port | **Front**<br>• 2 x USB 2.0 ports<br>• Power on/off button<br>• LED indicators<br>**Rear**<br>• 6 x USB 2.0 ports<br>• 1 x Gigabit LAN<br>• 1 x Video port<br>• 1 x Serial port |

| | | | |
|---|---|---|---|
| | • System ID LED<br>• Management port (RJ-45) | | |
| Expansion slots | 6 x PCIe® 3.0 slots | 1 x PCIe® slots | 3 x PCIe® slots<br>PCI slot |
| Form factor | 2U rack optimized | Micro Tower | mATX |
| Power supply | 2 x Hot-swappable 920W 80 PLUS Platinum (1+1 redundant) | 200 W 80 PLUS Bronze fixed | 450 W 80 PLUS Bronze fixed |

For more information about Acer servers, please visit http://us.acer.com/ac/en/US/content/professional-group/servers. For additional information about Acer SRC-Desk Solution and related information, please visit http://us.acer.com/ac/en/US/content/professional-smb.