The PowerConnect 6200 series is Dell’s most advanced switching product line, offering advanced switching capabilities including high-density, high-performance stacking and 10 Gigabit Ethernet capabilities scalable from the small business to the Enterprise Edge.

**HIGH DENSITY**
The PowerConnect 6200 series offers versions with 24 and 48 ports of 10/100/1000BASE-T Gigabit Ethernet. The PowerConnect 6248 and 6224 series switches support up to four 10 Gigabit Ethernet uplinks for connectivity directly to 10GE routers, servers, enterprise backbones and data centers. Delivering significant rack density, the PowerConnect 6200 gives users the flexibility to maximize server and workstation connectivity in a 1U form factor. Up to 576 servers and/or clients can be connected in a stack of 6200 series switches to help provide the maximum density, flexibility and manageability.

**HIGH-PERFORMANCE STACKING**
The PowerConnect 6200 series supports high-performance resilient stacking for up to twelve systems, which allows increased throughput to be added as needed without affecting network performance. With each switch supporting up to 184 Gbps in switch capacity, the customer can have almost 2 Terabits of capacity in a single stack!

**10 GIGABIT ETHERNET**
The PowerConnect 6200 series switches support up to four 10 Gigabit Ethernet uplinks for connectivity directly to 10GE routers, servers, enterprise backbones and data centers.

**GIGABIT FIBER CONNECTIVITY**
The PowerConnect 6224F offers up to 24 Fiber GbE ports for the small to medium enterprise network backbone or long-haul connectivity.

**ADVANCED LAYER 3 CAPABILITIES**
The PowerConnect 6200 series supports advanced Layer 3 routing and multicast protocols to help reduce congestion and manage traffic in the network. The PowerConnect 6200 series supports frequently used LAN routing protocols such as RIPv1/v2, OSPFv2/v3, VRRP, IGMP, DVMRP, PIM and LLDP-MED.

**ADVANCED QoS**
The PowerConnect 6200 offers flexibility in Quality of Service (QoS) by giving network administrators the ability to prioritize time-critical network traffic based on a variety of user-defined criteria. Administrators can expedite traffic based on L2 or L3 information to provide greater control over traffic flow within the network.
ADVANCED SECURITY
Support for L2-L4 Access Control Lists (ACLs) on the switch allows the user to perform deep packet inspection. 802.1x port authentication offers both single and multiple host access. Further security is provided through Denial of Service (DoS) Attack Prevention, whereby the switch can protect against common network attacks, such as Blat, Land, Smurf, Ping of Death, Xmascan, Nullscan, Scan SYNFIN, in addition to CPU attacks, such as VLAN flooding, TCP SIM, TCP port scan, IP address spoofing and MAC address spoofing.

IPv6 READY
IPv6 is version six of the “Internet Protocol” that has been in development for over 20 years. IPv6 has been designed to address IP address limitations of previous version of the Internet Protocol, enabling an increased number of unique IP addresses for broader scalability worldwide now and in the future.

VALUE AND FLEXIBILITY
The PowerConnect™ 6200 series offers additional value because the unique modular design allows you to upgrade to advanced stacking or 10 Gigabit Ethernet only when you need it. Plus the 6200 series offers further flexibility and value with optional modules that allow for either 10 Gigabit optical or CX-4 copper interfaces, or both, based on your needs.

DELL IT INFRASTRUCTURE SERVICES
Dell brings absolute execution to IT Services. The planning, implementation and maintenance of your IT infrastructure deserves nothing less. Variability in execution can compromise user productivity, IT resources and ultimately, your reputation. By leveraging our heritage of process-driven excellence, Dell Services can deliver a smarter way. We don’t claim to do everything. We focus on IT infrastructure services. And we take a customer-led approach, grounded in the philosophy that you know your business better than anyone.
That’s why Dell does not try to take key business decisions out of your hands, or lock you into more than you need. Instead, we apply our world-class process management and “no excuses” culture to deliver what customers today most need — flexibility and repeatable quality. That’s absolute execution. That’s Dell.
Assessment, Design and Implementation Services
IT departments are continually challenged to evaluate and implement new technologies. Dell’s assessment, design and implementation services can restructure your IT environment to enhance performance, scalability and efficiency while helping to maximize your return on investment and minimize disruption to your business.
Deployment Services
System deployment is a necessary evil that plagues nearly every organization. You must deploy new systems to help improve performance and meet user demand. With Dell’s deployment services, we help simplify and speed up the deployment and utilization of new systems to maximize uptime throughout your IT environment.
Asset Recovery and Recycling Services
Proper disposal, reselling and donation of computer equipment is a time-consuming task that typically falls to the bottom of many IT to-do lists. Dell simplifies the end of life processes for IT equipment in a way that can maximize value for customers.
Training Services
Arm your employees with the knowledge and skills they need to be as productive as possible. Dell offers comprehensive training services which include hardware and software training, as well as PC skills and professional development classes. With Dell training you can help improve system reliability, maximize productivity and reduce end-user requests and downtime.
Enterprise Support Services
With Dell, you can get maximum performance and availability of your Dell server and storage systems. Our Enterprise Support services offer proactive maintenance to help prevent problems as well as rapid response and resolution of problems when they do occur. We have built a robust global infrastructure that offers multiple levels of enterprise support for systems throughout your infrastructure.
To help you get the most from your Dell systems, visit www.dell.com/services.
Services vary by region.
### VLAN
- 24/10/100/1000BASE-T auto-sensing Gigabit Ethernet switching ports; 4 SFP combo ports for fiber media support; 10 Gigabit Ethernet uplink modules (optional); Resilient stacking up to 12 systems (with optional module); Auto-negotiation for speed, duplex mode and flow control; Auto MDI/MDIX; Port mirroring; Flow-based port mirroring; Broadcast storm control

### Performance
- Switch Fabric Capacity 136 Gb/s
- Forwarding Rate 95 Mpps
- Up to 8,000 MAC Addresses
- 256MB of CPU SDRAM
- 32MB of Flash Memory

### Availability
- Spanning Tree (IEEE 802.1D) and Rapid Spanning Tree (IEEE 802.1w) with Fast Link Support; Multiple spanning trees (IEEE 802.1s); Supports Virtual Router Redundancy Protocol (VRRP); External redundant power support with PowerConnect RPS 400 (sold separately); Cable diagnostics; SFP transceiver diagnostics

### Layer 3 Routing Protocols
- Static Routes; Routing Information Protocol (RIP) v1/v2; Open Shortest Path First (OSPF) v2; Classless Inter-Domain Routing (CIDR); Internet Control Message Protocol (ICMP); ICMP Router Discover Protocol (IRDP); Virtual Static Routing Protocol (VRRP); Address Resolution Protocol (ARP); Internet Group Management Protocol (IGMP) v2; Distance-Vector Multicast Routing Protocol (DVMRP)

### VLAN
- VLAN support for tagging and port-based as per IEEE 802.1Q; Double VLAN tagging (QinQ); Up to 1024 VLANs supported; Dynamic VLAN with GVRP support

### Quality of Service
- Layer 2 Trusted Mode (IEEE 802.1p tagging); Layer 3 Trusted Mode (DSCP); Layer 4 Trusted Mode (IP/UDP); Advanced Mode using Layer 2/3/4 flow-based Policies, including metering/rate limiting, marking and bandwidth guarantees; up to 100 ACLs can be used for QoS flow identification via Class-maps; 8 Priority Queues per Port; Adjustable Weighted Round-Robin (WRR) and Strict Queue Scheduling; Port-based GoS Services Mode

### Layer 2 Multicast
- Static IP Multicast; Dynamic Multicast Support – 256 Multicast groups supported in IGMP Snooping; IGMP snooping for IP multicast support; IGMP Querier; Protocol Independent Multicast (PIM-DM, PIM-SM)

### Security
- IEEE 802.1x-based edge authentication; Switch access password protection; User-definable settings for enabling or disabling Web, SSH, Telnet, SSL; Dynamic Access Control List (DACL); Port-based MAC Address alert and lock-down LLDP-MED; IP Address filtering for management access via Telnet; HTTP; HTTPS; SSL; SSH and SNMP-RADIUS and TACACS+: remote authentication for switch management access; 10 Access Control Entries (ACEs) per ACL; SSLv3 and SSHv2 encryption for switch management traffic; Management access filtering via Management Access Profiles

### Other Switching Features
- Link Aggregation with support for up to 18 static aggregated links; 8 dynamic aggregated links per switch and up to 8 member ports per aggregated link (IEEE 802.3ad); LCAP support (IEEE 802.3ad) Link Layer Discovery Protocol supported (IEEE 802.1AB)

### Management
- Web-based management interface; Industry-standard CLI accessible via Telnet or Local Serial Port; SNMPv1, SNMPv2c and SNMPv3 supported; four RMON groups supported; (history, statistics, alarms and events); TFTP transfers of firmware and configuration files; Dual firmware image detection; Multiple configuration file upload/download supported; Statistics for error monitoring and performance optimization including port summary tables; BootP/DHCP IP address management supported; Syslog remote logging capabilities; Temperature sensors for environmental monitoring

### Chassis
- Approximate weight (without modules): 12.6lbs, 5.70 kg
- Approximate weight (with modules): 12.6lbs, 5.70 kg
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### SIMPLIFY YOUR NETWORK AT DELL.COM/Network