



## UK6600-24HC 10Gigabit Data Center Switch



### ◆ Product Overview

Speednt 6600 Series Switches are 10Gb Data Center Switches. The switch provides high exchange capacity, which can support ACL function based on layer 3 and layer 4. Perfect security control strategy and the CPU protection strategy (CPU protect policy) can improve the fault tolerance, thus ensuring the stability of the network and the balance of the link load. Speednt 6600 Series Switches use the modular structure design,. These products can be implemented in urban area network, and provides several last kilometer technologies to aggregate data and exchange the core data. By providing enough bandwidth, users can flexibly choose their appropriate 10G ports according to their needs.

Speednt 6600 Series Switch has the following features: high back-plane bandwidth, low latency and simple network management.

### ◆ Product Feature

High density 10G access, performance is remarkable

- (1) With 490Gbps backplane bandwidth, the industry the highest performance (1U TOR);
- (2) The layer 3 switching hardware routing, wire speed packet rate reached 364.56Mpps, L2 / L3 forward full speed;
- (3) 24 10Gb optical ports, the highest density (1U TOR), meet the demand of high-density 10G server access.
- (4) Provide flexible network capacity;
- (5) Has 4 1G photoelectric reuse ports, industry the only high density 10G switches provide more 1G port access.

Wind direction flexible choice, green and energy saving

- (1) Flexible/before and after the first air duct design;
- (2) Adopt strict before and after air duct design and support the hot and cold air duct is completely

isolated, improve heat efficiency, satisfies the requirement of data center computer room design;

(3) Through selecting fan and power supply module, flexible support before, during and after the first air duct;

(4) Support power supply and fan redundancy configuration, ensure continuous business operation;

(5) Innovative energy-saving technology: using the latest energy-saving chip, fan speed control scheme of intelligent, supports real-time detection power consumption, reduce operational cost for the customer, create green data center.

Convenient in operation and maintenance

(1) Management support with Web, SNMP and telnet;

(2) Support XModem protocol, use TFTP/ZMODEM to software upgrading and BootRom upgrading;

(3) support SFP+, also backwards compatible XFP;

(4) To provide redundant power supplies, quick failover and fast connection, greatly increase the system reliability.

#### ◆ Product's Technical Parameters

| Product Model             | UK6600-24HC                                     |
|---------------------------|-------------------------------------------------|
| <b>Basic Feature</b>      |                                                 |
| Fixed port                | 24 10G optical ports, 4 1G combo ports          |
| Console port              | 1                                               |
| OOB management port       | 1                                               |
| Backplane bandwidth       | 490Gbps                                         |
| Packet forwarding rate    | 364.56Mpps                                      |
| Jumbo frames              | 9216 bytes                                      |
| Transfer mode             | Support store-forward mode and cut-through mode |
| IPv4/IPv6 route           | 6k/8k                                           |
| MAC address table         | 128K                                            |
| Packet Buffer             | 9MB                                             |
| VLAN ID                   | 4K                                              |
| Flash                     | 32MB                                            |
| Memory                    | 1GB DDR3 SDRAM                                  |
| CPU                       | PPC Dual-core 800MHz                            |
| <b>Soft Specification</b> |                                                 |
| security feature          | IP+MAC+PORT+VLAN binding                        |

|                          |                                                                                                     |                 |
|--------------------------|-----------------------------------------------------------------------------------------------------|-----------------|
|                          | ARP inspection<br>DoS defend<br>port protect<br>IP Source Guard binding                             |                 |
| VLAN                     | Port based VLAN<br>802.1Q VLAN<br>IP based VLAN<br>MAC based VLAN                                   |                 |
| MAC address table        | static MAC address table<br>dynamic MAC address table                                               |                 |
| Storm Control            | Broadcast Limit<br>Multicast Limit<br>DLF Limit<br>Limit Speed                                      |                 |
| Traffic Control          | Half-duplex control based on the back pressure type<br>Full-duplex control based on the PAUSE frame |                 |
| Port Mirror              | Support port mirror                                                                                 |                 |
| Port management          | system info<br>port Statistics<br>config port<br>port trunk<br>port-isolate                         |                 |
| QoS                      | IEEE 802.1Q Congestion mechanism<br>Each port has 8 send queue mapping to 8 802.1p priority         |                 |
| IP services              | Ping dectection<br>DHCP Snooping                                                                    |                 |
| Spanning Tree Protocol   | MSTP(802.1s)、STP、RSTP                                                                               |                 |
| Multicast management     | IGMP Snooping frame                                                                                 |                 |
| System management        | Support SNMP v1/v2/v3<br>Support Console<br>Support TELNET<br>Support WEB                           |                 |
| Remote Upgrade           | Web host                                                                                            |                 |
| Physical Characteristics |                                                                                                     |                 |
| External Dimension       | 438.48mm*473mm*43.4mm                                                                               |                 |
| Power Supply Features    | AC: 90V~290V                                                                                        | DC: -38.4V~-72V |
| Power                    | ≤230W                                                                                               |                 |
| Indicator light          | Power indicator, system, connection/sending and receiving instructions                              |                 |



## Shenzhen Speed Technology Co., Ltd

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|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Environment<br>temperature/humidity | operating temperature: 0°C~50°C (0m~1800m) storage temperature: -40°C~+70°C, relative<br>humidity: 5%RH~95%RH, Non-condensing |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|