

2008 Oct.
Enterprise Solutions Business Unit
Switch Introduction

Solution & Differentiation

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About QSSC

Aiming at enterprise solution, QSSC has formed a dedicated R&D team with more than 400 people to bring you the comprehensive Solution and Product Differentiation.








With leading technology and consistent quality assurance, QSSC provides a full range of **Rackmount Server**, powerful integrated **Blade Server**, **Storage Solution**, **Industrial PC**, **Switch system** and **KVM over IP**.

QSSC devotes great attention to satisfy customers' needs and advance itself together with channel partners with the leverage of flexible and reliable computing architecture and worldwide service centers.



Contact Information

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Model	QSSC-LB200GS	QSSC-LB400GR	QSSC-LB410GS	QSSC-LB420GC	QSSC-LB600SF	QSSC-LB610CX	QSSC-LB630SR
Feature	LB2	LB4M	LB4G		LB6A	LB6C	LB6M
QSSC Switch Products	24 Ports GbE		48 Ports GbE Switch		20 Ports 10G Switch		24 Ports 10G Switch
							
Height	1U	1U	1U	1U	1U	1U	1U
Width	19 inch	19 inch	19 inch	19 inch	19 inch	19 inch	19 inch
Depth	8.2 inch	9.4 inch	9.4 inch	9.4 inch	15.5 inch	15.5 inch	15.5 inch
CPU	Freescall 8245	Freescall 8541	Freescall 8541	Freescall 8541	Freescall 8541	Freescall 8541	Freescall 8541
Switch Chip set	BCM 56502	BCM 56514	BCM 56514	BCM 56514	BCM 56800	BCM 56800	BCM 56820
No.ports of 1 Gigabit	24	48	48	48	2	2	2
No.ports of 10 Gigabit	2	2	4	4	20	20	24
CX4 Interface	2	FJ connector	FJ connector	FJ connector	FJ connector	FJ connector	FJ connector
SFP+Phy Interface	NA	BCM 8706	Aeluros	Aeluros	Aeluros	Aeluros	Broadcom
XFP Interface	NA	NA	NA	NA	TBD	8724	NA
SFP Phy Interface	4	NA	NA	NA	NA	NA	NA
Memory	SDRAM 256MB	DDR 512 MB	DDR 512 MB	DDR 512 MB	DDR 512 MB	DDR 512 MB	DDR 512 MB
CF Type II Card	NA	2G	2G	2G	2G	2G	2G
Flash memory	32MB	32MB	32MB	32MB	32MB	32MB	32MB
RJ 45 to RS232 Com port	RS232 only	Yes	Yes	Yes	Yes	Yes	Yes
Gigabit Phy Setting	NA	Yes	Yes	Yes	Yes	Yes	Yes
Dual Personality 10 GbE Interface (CX4 or SFP+)	NA	4 Giga combo 4*10G SFP+	4 Giga combo 4*10G SFP+	4 Giga combo 4*10G CX4	20*10G SFP+	20*10G Cx4	24*10G SFP+
Switching fabric	48Gbps	96Gbps	96Gbps	96Gbps	400Gbps	400Gbps	480Gbps
MAC address entries	16K	16K	16K	16K	16K	16K	16K
Power Supply	Single	Redunant Double	Single	Single	Single	Single	Redunant Double
Layer3							
RIP V1/ V2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OSPF V2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IGMP V1/ V2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VRRP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PIM-SM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PIM-DM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DVMRP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BGP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Layer2							
802.1D STP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
802.1w RSTP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
802.2s MSTP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IGMP Snooping	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Jumbo Frame	Yes	Yes	Yes	Yes	Yes	Yes	Yes
802.3ad Link Aggregation	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Port-Based VLAN	Yes	Yes	Yes	Yes	Yes	Yes	Yes
802.1Q VLAN	512	Yes	512	512	512	512	512
GVRP/ GARP/ GMRP	512	Yes	512	512	512	512	512
Load Balance	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VTP	NA	Yes	Yes	Yes	Yes	Yes	Yes
Qos							
802.1p	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NO. of CoS Per Port	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Port based Rate Limiting	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Policy based Rate Limiting	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Port based traffic shaping	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Broadcast Storm Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DiffServ (DSCP)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security							
802.1x	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Port Security	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Static MAC Filtering	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Limited MAC number per Port	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IP Filtering	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TCP/ UDP Socket Filtering	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSH v1/ v2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSL/ TLS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Management							
SNMP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RMON 1.2.3.9	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Web Management	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Telnet CLI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Out-of-band MGMT Port	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Console Port	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DHCP Relay	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DHCP Client	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NTP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Port Mirroring	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ACL							
Based on MAC address	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Based on VLAN	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Based on IP address	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Based on protocol type	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Based on TCP/ UDP port	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Based on DSCP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IPV6							
DHCP V6/ DNS V6	NA	Yes	Yes	Yes	Yes	Yes	Yes
OSPF V3	NA	Yes	Yes	Yes	Yes	Yes	Yes
IGMP V6	NA	Yes	Yes	Yes	Yes	Yes	Yes
RIP/ RING	NA	Yes	Yes	Yes	Yes	Yes	Yes
Stacking	Yes	NA	NA	Yes	NA	NA	NA