BDCOM S3740F 10G Routing Switch

and

BDCOM S3756F 10G Routing Switch

BDCOM S3700 Series is a new generation of aggregation 10G switches introduced by Shanghai Baud Data Communication Co., LTD.

Product Specifications

Item	S3740	S3740F	S3756B	S3756F
Backplane	256 Gbps	256 Gbps	256 Gbps	256 Gbps
Forwarding	168 Mpps	168 Mpps	192 Mpps	192 Mpps
MAC table	32K/64K	32K/64K	32K/64K	32K/64K
Ports	32 Gigabit TX ports +8 10G SFP ports	24 Gigabit SFP ports+8 Gigabit TX ports+8 10G SFP ports	48 Gigabit TX ports +8 10G SFP ports	48 Gigabit SFP ports+4 Combo Gigabit TX ports+8 10G SFP ports
Dimensions mm (W×D×H)	442*330*44	442*350*44	442.5*315*44	442*350*44
Power	AC: 100V-240V, 50Hz±10% DC: -36V~-72V (POE doesn't support DC power) Dual-power is optional			
Environment	Operating temperature/humidity: 0℃-50℃; 10%-90% non-condensing Storage temperature/humidity: -20℃-70℃; 5%-95% non-condensing			
MAC exchange	Static configuration and dynamic MAC learning MAC browsing and removal Configurable aging time of the MAC address Limited number of learnable MAC addresses MAC filtration Black-hole MAC list			

VLAN	4K VLAN
	GVRP
	1:1 VLAN mapping and N:1 VLAN mapping
	QinQ and flexible QinQ
	PVLAN
STP	802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP)
	BPDU protection, root protection, and loopback protection
Multicast	IGMP v1/v2/v3
	IGMP Snooping
	IGMP Fast Leave
	Multicast group strategy and quantity limitation
	Multicast flow copying over VLANs
	PIM-SM and PIM-DM
IPv4	Static routing, RIP v1/v2, OSPF, BGP
	Policy based routing
	Load balance by equivalent routing
	BFD for OSPF, BGP
IPv6	ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet
	IPv6 neighbor discovery
	Path MTU discovery
	MLD V1/V2
	IGMP snooping
	IPv6 Static Routing, RIPng, OSPFv3, BGP4+
	Manual tunnel, ISATAP tunnel, 6to4 tunnel
MCE	MCE
MPLS VPN	LDP protocol
	P/PE of MPLS VPN
	MPLS OAM
QoS	Flow classification based on L2~4 protocols
	CAR flow limit
	802.1P/DSCP priority re-labeling
	SP, WRR, and "SP+WRR"
	Congestion avoidance mechanisms like Tail-Drop and WRED
	Flow monitoring and flow shaping

Security features	L2/L3/L4 ACL flow identification and filtration
	DDoS attack prevention, TCP's SYN Flood attack prevention, UDP Flood attack prevention, etc
	Broadcast/multicast/unknown unicast storm-control
	Port isolation
	Port security, and "IP+MAC+port" binding
	DHCP snooping and DHCP option 82
	IEEE 802.1x authentication
	Radius BDTacacs+ authentication
	URPF
	Level-based command line protection
Reliability	1+1 power backup
	Static/LACP link aggregation
	EAPS
	VRRP
	GR for OSPF,BGP
	BFD for OSPF,BGP
	ISSU uninterrupted system upgrade
Management	Console, Telnet, SSH 2.0, Web
	SNMP v1/v2/v3
	TFTP
	RMON
	sFLOW
Energy saving	IEEE 802.3az