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

	4K VLAN			
	GVRP			
VLAN	1:1 VLAN mapping and N:1 VLAN mapping			
	QinQ and flexible QinQ			
	PVLAN			
	802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP)			
STP	BPDU protection, root protection, and loopback protection			
	IGMP v1/v2/v3			
	IGMP Snooping			
	IGMP Fast Leave			
Multicast	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			
	ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet			
IPv6	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			

L2/L3/L4 ACL flow identification and filtration				
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  1+1 power backup Static/LACP link aggregation EAPS Reliability VRRP GR for OSPF,BGP BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy IEEE 802.3az		L2/L3/L4 ACL flow identification and filtration		
Security features  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  1+1 power backup Static/LACP link aggregation EAPS  VRRP GR for OSPF,BGP BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy  IEEE 802.3az		DDoS attack prevention, TCP's SYN Flood attack prevention, UDP Flood attack		
Security features  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  1+1 power backup Static/LACP link aggregation EAPS VRRP GR for OSPF,BGP BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy  Port isolation Port security, and "IP+MAC+port" binding B2 Level-baced or manual index B2 Level-baced command line protection  Radius BDTacacs+ authentication URPF Level-based command line protection  1+1 power backup Static/LACP link aggregation EAPS VRRP GR for OSPF,BGP BFD for OSPF,BGP BFD for OSPF,BGP BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy  IEEE 802.3az		prevention, etc		
Security features  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  1+1 power backup Static/LACP link aggregation EAPS VRRP GR for OSPF,BGP BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy  IEEE 802.3az		Broadcast/multicast/unknown unicast storm-control		
Features 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  1+1 power backup Static/LACP link aggregation EAPS VRRP GR for OSPF,BGP BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy IEEE 802.3az	_	Port isolation		
DHCP snooping and DHCP option 82  IEEE 802.1x authentication Radius BDTacacs+ authentication URPF Level-based command line protection  1+1 power backup Static/LACP link aggregation EAPS VRRP GR for OSPF,BGP BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy  IEEE 802.3az		Port security, and "IP+MAC+port" binding		
Radius BDTacacs+ authentication URPF Level-based command line protection  1+1 power backup Static/LACP link aggregation EAPS VRRP GR for OSPF,BGP BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy IEEE 802.3az		DHCP snooping and DHCP option 82		
URPF Level-based command line protection  1+1 power backup Static/LACP link aggregation EAPS VRRP GR for OSPF,BGP BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy IEEE 802.3az		IEEE 802.1x authentication		
Level-based command line protection  1+1 power backup Static/LACP link aggregation EAPS VRRP GR for OSPF,BGP BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy IEEE 802.3az		Radius BDTacacs+ authentication		
Reliability Reliability  Reliability  Reliability  Reliability  In the power backup Static/LACP link aggregation EAPS  VRRP  GR for OSPF,BGP BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy  IEEE 802.3az		URPF		
Reliability  Reliability  Reliability  Reliability  Reliability  VRRP  GR for OSPF,BGP  BFD for OSPF,BGP  ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web  SNMP v1/v2/v3  TFTP  RMON  sFLOW  Energy  IEEE 802.3az		Level-based command line protection		
Reliability  Reliability  VRRP  GR for OSPF,BGP  BFD for OSPF,BGP  ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web  SNMP v1/v2/v3  TFTP  RMON  sFLOW  Energy  IEEE 802.3az	Reliability	1+1 power backup		
Reliability VRRP GR for OSPF,BGP BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy IEEE 802.3az		Static/LACP link aggregation		
GR for OSPF,BGP BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy IEEE 802.3az		EAPS		
BFD for OSPF,BGP ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy  IEEE 802.3az		VRRP		
ISSU uninterrupted system upgrade  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy  IEEE 802.3az		GR for OSPF,BGP		
Management  Console, Telnet, SSH 2.0, Web SNMP v1/v2/v3  TFTP RMON sFLOW  Energy  IEEE 802.3az		BFD for OSPF,BGP		
Management  SNMP v1/v2/v3  TFTP  RMON  sFLOW  Energy  IEEE 802.3az		ISSU uninterrupted system upgrade		
TFTP RMON sFLOW  Energy  IEEE 802.3az	Management	Console, Telnet, SSH 2.0, Web		
RMON sFLOW  Energy IEEE 802.3az		SNMP v1/v2/v3		
sFLOW  Energy IEEE 802.3az		TFTP		
Energy IEEE 802.3az		RMON		
		sFLOW		
saving	Energy	IEEE 802.3az		
	saving			