



BDCOM

BDCOM S3700 Switch Series Layer-3 10G Routing Switches

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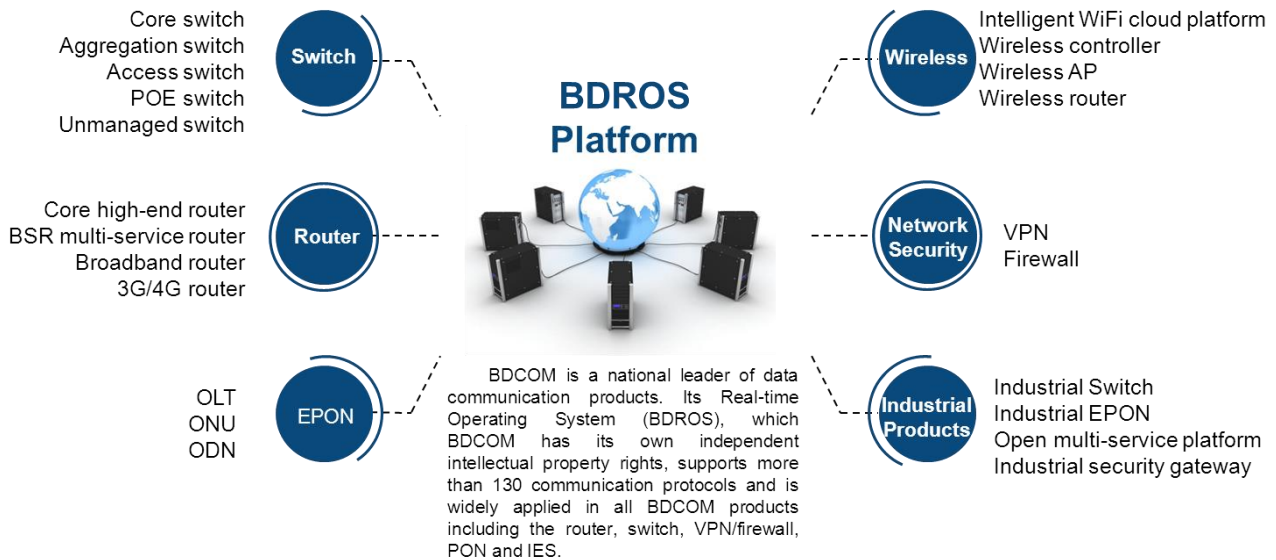
Company Profile

BDCOM, headquartered in Shanghai, is one of the leading communication products suppliers in China. It has dedicated in researching, developing, manufacturing and marketing communication products for over 20 years. With high-quality products and well sale service, its products have been expanded to the Telecom operators and enterprise networks in 30 countries and regions such as the Asian-Pacific region, Europe and America.



BDCOM Self-developed Product Lines

Overview of BDCOM Data Communication Products



Product Overview

BDCOM S3700 Series is a new generation of aggregation 10G switches introduced by Shanghai Baud Data Communication Co., LTD. It is targeted at the IP MAN (metropolitan area network), campus networks and enterprise networks. It is developed on the basis of high performance hardware and BDRoS - a software platform with BDCOM own independent intellectual property rights. It supports multiple services like IPv6, MPLS, VPN and network security based on L2/L3/L4 wire-speed switching service. It also supports nonstop upgrade, continuous forwarding, graceful restarting and redundancy protection.

BDCOM S3700 Series has multiple models. It supports 48 Gigabit ports and 8 10G ports in maximum. It is of strong adaptability but cost-effective, which offers you a best choice!

Product Characteristics

Enhanced layer-3 Switching + High-density 10G

<ul style="list-style-type: none"> ❖ 48 gigabit +8 10G ❖ 32K MAC ❖ 32K routing tables ❖ MIPS Dual Core CPU 1016Mhz ❖ 512M DDR3 Memory 	 <p>S3740</p>  <p>S3756B</p>  <p>S3740F</p>  <p>S3756F</p>	<ul style="list-style-type: none"> ❖ ISSU (In-Service Software Upgrade) ❖ BFD for OSPF and BGP ❖ Ethernet OAM ❖ High reliability (99.999%)
<ul style="list-style-type: none"> ❖ Virtualize multiple physical devices into one in logic ❖ Multiple physical devices share one management IP address ❖ Enhance reliability ❖ Improve link path usage 		<ul style="list-style-type: none"> ❖ Layer-3 routing such as OSPF and BGP ❖ Layer-2 or layer-3 multicast ❖ MPLS VPN ❖ IPv6 ❖ SDN

Product Characteristics





Item	S3740	S3756B	S3740F	S3756F
MAC exchange	32K/64K	32K/64K	32K/64K	32K/64K
Ports	S3740: 32 gigabit TX ports + 8 10G optical ports S3756B: 48gigabit TX ports +8 10G optical ports S3740F: 24 gigabit optical ports+8 gigabit TX ports +8 10G optical ports S3756F: 48 gigabit optical ports+4 combo gigabit TX ports +8 10G optical ports			
Power	AC: 100V-240V, 50Hz±10%, DC: -36V~-72V Dual power supplies (optional)			
Environment	Operating temperature/humidity: 0°C-50°C; 10%-90% non-condensing Storage temperature/humidity: -20°C-70°C; 5%-95% non-condensing			
VLAN/STP	4K VLAN GVRP 1:1 VLAN mapping and N:1 VLAN mapping			

	<p>QinQ and flexible QinQ</p> <p>PVLAN</p> <p>802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP)</p> <p>BPDU protection, root protection, and loopback protection</p>
CPU	MIPS Dual Core CPU of 1016 MHZ
Memory	1 GB DDR3
Multicast	<p>IGMP v1/v2/v3</p> <p>IGMP Snooping</p> <p>IGMP Fast Leave</p> <p>Multicast flow copying over VLANs</p> <p>PIM-SM and PIM-DM</p>
IPv4	<p>Static routing, RIP v1/v2, OSPF, BGP</p> <p>Strategy routing</p> <p>Load balance by equivalent routing</p> <p>BFD for OSPF, BGP</p>
IPv6	<p>ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet</p> <p>IPv6 neighbor discovery</p> <p>Path MTU discovery</p> <p>MLD V1/V2</p> <p>IGMP snooping</p> <p>IPv6 Static Routing, RIPng, OSPFv3, BGP4+</p> <p>Manual tunnel, ISATAP tunnel, 6to4 tunnel</p>
MPLS VPN	<p>MCE</p> <p>P/PE of MPLS VPN</p>
QoS	<p>Flow classification based on L2/L3/L4 protocols</p> <p>802.1P/DSCP priority re-labeling</p> <p>SP, WRR, and "SP+WRR"</p> <p>Congestion avoidance mechanisms like Tail-Drop and WRED</p>
Security	<p>L2/L3/L4 ACL flow identification and filtration</p> <p>DDoS attack prevention, TCP's SYN Flood attack prevention, UDP Flood attack prevention, etc</p> <p>Broadcast/multicast/unknown unicast storm-control</p>

	Port isolation Port security, and “IP+MAC+port” binding DHCP snooping and DHCP option 82 IEEE 802.1x authentication Radius BDTacacs+ authentication URPF
Reliability	1+1 power backup Static/LACP link aggregation EAPS/ERPS BFD for OSPF,BGP ISSU uninterrupted system upgrade
Management	Console, Telnet, SSH 2.0, WEB SNMP v1/v2/v3

Ordering Information

S3700 Series

Item	Sample	Description
S3740		32x10/100/1000Base-T Ethernet ports, 8x10GE SFP+ ports, AC power supply
S3756B		48x10/100/1000Base-T Ethernet ports, 8x10GE SFP+ ports, AC power supply
S3740F		24xGE SFP ports, 8x10/100/1000Base-T Ethernet ports, 8x10GE SFP+ ports, AC power supply
S3756F		48xGE SFP ports, 4x10/100/1000Base-T Ethernet ports (Combo), 8x10GE SFP+ ports, AC power supply

* All products with the AC power supply. DC power supply or dual-power supply is optional.

* All products are free of the limitation of MoQ.

For More Information

For more information about [BDCOM S3700 Series](#), please contact your local BDCOM account representative.

Shanghai Baud Data Communication Co., LTD.

No.123, Juli Road,

Pudong Zhangjiang High-Tech Park,

Shanghai 201203, P.R.China

www.bdcom.cn

Tel: +86-21-50800666



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