

# L3 SERIES SWITCH 10GE



**Revotik**<sup>®</sup>

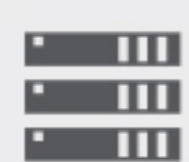
**Gigabit Managed  
Ethernet PoE Switch**

# REVOTIK Lite L3 Switch Series

## RVS-3728E, RVS3728EF & RVS-3748E



Supports Maximum 24  
GE TX Ports and 4 10GE  
SFP+ Uplink Ports



Advanced Hardware  
Architecture and  
Industry-leading Port  
Density



Carrier-Level High  
Reliability  
Layer-3 Routing  
Functions



Varied Service  
Characteristics Versatile  
IPv6 Solution Complete  
Security Mechanism

## PRODUCT OVERVIEW

**RVS3728E, RVS3728EF, RVS-3748-E** lite L3-Series is a next -generation aggregation 10GE switch introduced by Revotik. It is targeted at the IP MAN (Metropolitan area network), government and enterprise networks, Internet café and diskless working environment. It supports functions such as powerful ACL, flexible QinQ, 1:1 or N:1 VLAN switching, Ethernet OAM, carrier-level QoS and industry-level 10GE Ether-ring, ensuring this switch series meets application requirements in all kinds of complicated sites. It also supports layer-3 routing protocol.



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## PRODUCT SPECIFICATIONS

ITEM	RVS-3728E	RVS-3728EF	RVS-3748E	
INTERFACE	24 GE TX 4 10GE/GE SFP+	16 100/1000M SFP 8 GE SFP/TX COMBO 4 10GE/GE SFP+	48 GE TX 6 10GE/GE SFP+	
CONSOLE(RJ45)	1	1	1	
BACKPLANE(Gbps)	128	128	216	
FORWARDING RATE(Mpps WITH 64 BYTES)	96	96	162	
CHASSIS	DIMENSIONS (WXDXH)(MM)	440X180X44	440X280X44	
	WEIGHT(KG)(EMPTY)	2.6	4	4.3
PACKAGE	DIMENSIONS (WXDXH)(MM)	500 X 320 X 80	576 X 448X 94	576 X 448X 94
	WEIGHT(KG)	3.9	5.2	5.5
POWER CONSUMPTION	NO-LOAD	< 22W	< 18W	< 25W
	FULL LOAD	35W	38W	48W
POWER SUPPLY	AC: 100V-240V, DC: 36V-72V	45W	45W	50W
POE POWER BUDGET	-	-	-	
TOTAL OUTPUT BTU (1000BTU/H=293W)	153.58	153.58	163.82	
FAN NUMBER	-	2	2	
NOISE@25°C(dBA)	0	45	45	
MTBF(H)	>200000	>200000	>200000	
FORWARDING MODE	Store-forward	Store-forward	Store-forward	
FLASH (MB)	32	32	16	
DRAM (MB)	256	256	512	
MAC	16K	16K	16K	
BUFFER SIZE(MB)	1.5	1.5	1.5	
INTERFACE VLAN	64	64	64	
ROUTING TABLE	2040	2040	512	
JUMBO FRAME	9K	9K	9K	



## PRODUCT FEATURES

### VLAN

- 4K Active VLAN, QinQ & Selective QinQ, GVRP, Private VLAN, Voice-VLAN

### Spanning Tree

- 802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP)
- BPDU guard, root guard and loopback guard

### Multicast

- IGMP v1/v2/v3, IGMP Snooping, IGMP Fast Leave, MVR, IGMP filter

### IP

- Static route, RIP, OSPF
- IPv4/v6 dual stack

### IPv6

- ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet
- IPv6 neighbor discovery, Path MTU discovery
- MLD V1, MLD snooping
- IPv6 Static Routing, RIPng, OSPFv3
- Manual tunnel, ISATAP tunnel, 6 to 4 tunnel

### QoS

- CAR, HQoS, MAC/IP/TCP/UDP/VLAN/ COS/ DSCP/ TOS based QoS, 802.1P/ DSCP priority re-labeling, SP, WRR, and "SP+WRR", Tail-Drop, WRED, flow monitoring and traffic shaping

### Security

- Port isolation, Port security, and "IP+MAC+port" binding, MAC sticky
- DAI & IP source guard PPPoE+
- IEEE 802.1x, AAA, Radius and Tacacs+
- L2/L3/L4 ACL flow identification and filtration
- Anti-attack from DDoS, TCP's SYN Flood, UDP Flood, etc. Broadcast/multicast/unknown unicast storm-control
- MD5, SHA-256, RSA-1024, AES256, etc.

### DHCP

- DHCP server/relay/client
- DHCP snooping/option82

### Reliability

- Static/LACP link aggregation, Interface backup
- EAPS and ERPS
- ISSU uninterrupted system upgrade
- BVSS, up to 16-units per stack
- VRRP
- UDLD

### Management

- Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMON
- TFTP, FTP, SFTP
- NTP
- ZTP
- SPAN, RSPAN
- Dying gasp\*

### Environment

- Operating temperature/humidity: 0°C -50°C, 10% -90% non-condensing
- Storage temperature/humidity: -20°C -70°C, 5% -95% non-condensing

### Accessories

- Power cord, rackmount kits, console cable

