



Rackmount Gigabit Core Switches				Rackmount Ethernet Switches		
Interface						
Total ports number	50	52	28	28	28	28
10/100TX Ports					24	8
10/100/1000TX Ports	48	48	16	16		
100/1000M Combo			8	8	4	4
SFP Ports	2 x 10GbE	4 x 1000M	4 x 1000M	4 x 1000M		16 x 100M
Console/USB	RS232	RS232	RS232/USB	RS232/USB	RS232/USB	RS232/USB
DC Power input	1x48VDC (7850G-2XG-DC48)	1x48VDC (6852G-DC48)	DC24 (18-36VDC) DC48 (36-75VDC)	DC24 (18-36VDC) DC48 (36-75VDC)	2 x DC24/48 (18-75VDC)	2x DC24/48V (18-75VDC)
AC Power input	1x100-240 VAC (7850G-2XG)	1x100-240 VAC (6852G)	AC110/220 (90-264VAC)	AC110/220 (90-264VAC)	1xAC110/220 (90-264VAC)	1xAC110/220 (90-264VAC)
Features						
MSR, MultiRing, TrunkRing, RDH, SuperChain, ERPS	MSR member	MSR member	●	●	●	●
Broadcast Storm/Loop	●	●	●	●	●	●
L2+ Security (L2/3/4 ACL)	●	●	●	●	●	●
DHCP Server (Opt82, Port Based)	●	●	●	●	●	●
korneix Veiw/ korenix NMS	●	●	●	●	●	●
L3 Protocols						
L3 Routing	Static/Dynamic/ VLAN routing, RIPv1/v2, OSPFv1/v2	Static/Dynamic/ VLAN routing, RIPv1/v2, OSPFv1/v2	Static/Dynamic/ VLAN routing, RIPv1/v2, OSPFv1/v2			
Multicast Routing	IGMP, Mroute, DVMRP, PIM-DM/SM	IGMP, Mroute, DVMRP, PIM-DM/SM	IGMP, Mroute, DVMRP, PIM-DM/SM			
VRRP Gateway Redundancy	●	●	●			
SW/Protocol						
IPv6 Management	●	●	●	●	●	●
RSTP/MSTP	●	●	●	●	●	●
Traffic Priority (QoS)	8 Queues/port	8 Queues/port	8 Queues/port	8 Queues/port	8 Queues/port	8 Queues/port
VLAN,P-VLAN, QinQ, GVRP	4k VLANs	4k VLANs	4k VLANs	4k VLANs	4k VLANs	4k VLANs
IGMP Query, Snooping, GMRP	●	●	●	●	●	●
IEEE 802.1AB LLDP Network Discovery	●	●	●	●	●	●
IEEE 802.3ad LACP, Static Trunk	●	●	●	●	●	●
IEEE 1588 PTP v1/v2				●	●	●
Jumbo Frame/MAC Address	9.2Kbytes/16K	9.2Kbytes/16K	9.2Kbytes/16K	9.2Kbytes/16K	9.2Kbytes/16K	9.2Kbytes/16K
Port Mirroring	●	●	●	●	●	●
DDM SFP	●	●	●	●	●	●
IEEE 802.1x, IP/Port Security/SSH/HTTPS,SSH/Telnet	●	●	●	●	●	●
TACACS+, Radius	●	●	●	●	●	●
Ind. Protocol (ModBus/)			●	●	●	●
SNMP/RMON/Trap	●	●	●	●	●	●
CLI/Web/Telnet	●	●	●	●	●	●
HW/ME						
Housing Protection (IP)	Metal	Metal	IP40	IP40	IP30	IP40
Dimension (HxWxD mm)	44 x 440 x 292.1	44 x 440 x 292.1	44 x 440 x 378.5	44 x 438 x 375	44 x 438 x 170	43.6 x 431 x 375
Mounting	Rackmount	Rackmount	Rackmount	Rackmount	Rackmount	Rackmount
Operating Temperature	-10~55°C	-10~55°C	-40~85°C	-40~75°C	-40~75°C	-40~75°C
MTBF (hrs)	>293,000	>293,000	>445,000	>445,000	>234,000	>234,000
Certification						
Regulatory/Approval	CE/FCC/UL/CB	CE/FCC/UL/CB	CE/FCC/EN50121-4/ IEEEE1613/IEC61850-3	CE/FCC/EN50121-4/ IEEEE1613/IEC61850-3	CE/FCC/UL/ NEMA TS2	CE/FCC/ EN50121-4

● Supported