

Brand
Model

Korenix
JetNet 4508 V2



Korenix
JetNet 4508



Korenix
JetNet 4508f V2



Korenix
JetNet 4508f



Mechanical Construction

Ingress Protection	IP-31	IP-30	IP-31	IP-30
Enclosure	Aluminum + Steel Metal	Aluminum + Steel Metal	Aluminum + Steel Metal	Aluminum + Steel Metal
Mounting	DIN Rail	DIN Rail	Din Rail	DIN Rail
Dimension (mm)	55(W) x 149(H) x 120.6 (D)	53(W) x 135(H) x 105 (D)	55(W) x 149(H) x 120.6 (D)	53(W) x 135(H) x 105 (D)

Interface

10/100BaseT(x), RJ45	8	8	6	6
100BaseFX, SC	N/A	N/A	2	2
Single Mode	N/A	N/A	4508f-sV2, 2 Single Mode,30KM	4508f-s,2 Single Mode,30KM
Multi Mode	N/A	N/A	4508f-mV2, 2 Multi Mode,2KM	4508f-m, 2 Multi Mode,2KM
Console, RS-232	RJ-45 RS-232	No	RJ-45 RS-232	No
Isolated RS-232	No	No	No	No
Relay Output	Dry Output x1, Normal Open	Dry Output x1, Normal Open	Dry Output x1, Normal Open	Dry Output x1, Normal Open
Multiple Event Relay binding	Yes, Port, Power, Ring fail..	fixed	Yes, Port, Power, Ring fail..	fixed
Digital Input	1	No	1	No

Redundancy

Fast Network Redundant Ring	Multiple Super Ring	Super Ring	Multiple Super Ring	Super Ring
Ring Configuration	Software configured	Software + DIP Switch configured	Software configured	Software + DIP Switch configured
Ring Path	Software configured, any port	software configured	Software configured, any port	software configured
Dual Homing	Yes, Rapid Dual Homing	Dual Homing only	Yes, Rapid Dual Homing	Dual Homing only
Ring Coupling	Yes, 4 (Max)	Yes, 2 Couple rings	Yes,4(Max)	Yes, 2 Couple Rings
RSTP (802.1w)	RSTP	RSTP	RSTP	RSTP
Multiple STP (802.1S)	Yes	No	Yes	No
Power Redundancy	Yes	Yes	Yes	Yes

Power Supply

Power Consumption	6.24Watts @ DC 24V	5.04 Watts @ DC 24V	6.96 Watts @ DC 24V	9 Watts @ DC 24V
Power Input Range	DC 10~60V	DC 12~48V	DC 10~60V	DC 12~48V
Negative Electrical Power System	Yes	No	Yes	No

Brand Model	Korenix JetNet 4508 V2	Korenix JetNet 4508	Korenix JetNet 4508f V2	Korenix JetNet 4508f
Chassis GND screw	Yes	Yes	Yes	Yes
Power System	Postive / Neqative system	Postive system only	Postive / Neqative system	Postive system only

IEEE compliance standard

802.3-10Base T	Yes	Yes	Yes	Yes
802.3u - 100BaseTX, 100BaseFX	100Base-TX	100Base-TX	100Base-TX/FX	100Base-TX/FX
802.3z - 1000BaseLX	N/A	N/A	N/A	N/A
802.3x - Flow Control	Yes	Yes	Yes	Yes
802.3d - MAC Bridges	Yes	Yes	Yes	Yes
802.1d - Spanning Tree Protocol	Yes	Yes	Yes	Yes
802.1p - Class of Service	Yes	Yes	Yes	Yes
802.1q - VLAN Tagging	Yes	Yes	Yes	Yes
802.1w - Rapid STP	Yes	Yes	Yes	Yes
802.1s -MSTP	Yes	No	Yes	No
802.1AB- LLDP	Yes	No	Yes	No
802.1Q QinQ	Yes	No	Yes	No

Switch Fabric Performance

Switch Fabric Bandwidth	32Gbps	3.2Gbps	32G bps	3.2Gbps
Frowarding Throughput (64Byte)	26Mega pps	1.49 Mega pps	26 Mega pps	1.49 Mega pps
MAC Address Table	8K	2K	8K	2K
Embedded Packet Buffer (Shared packet buffer)	1Mbits	1Mbits	1Mbits	1Mbits

Network Management & Control

SNMP Protocols	V1/V2c/V3	V1/V2c	V1/V2c/V3	V1/V2c
IGMP Snooping	V1/V2/V3	V1/V2	V1/V2/V3	V1/V2
IGMP Query	V1/V2	V1/v2	V1/V2	V1/v2
IGMP Multicast Groups	256	256	256	256
Unknown Mutlicasting policy	Yes, Flooding, Drop, Fwd Routing	No	Yes, Flooding, Drop, Fwd Routing	No
GMRP	Yes	No	Yes	No
VLAN	Tag VLAN, 256 VLANs	Tag VLAN, 64VLANs	Tag VLAN, 256 VLANs	Tag VLAN, 64VLANs
Private VLAN	Yes	No	Yes	No
GVRP	Yes	Yes	Yes	Yes

Brand Model	Korenix JetNet 4508 V2	Korenix JetNet 4508	Korenix JetNet 4508f V2	Korenix JetNet 4508f
QoS (802.1p/Q) and TOS DiffServ	Yes.	Yes	Yes.	Yes
RMON	RMON 1 (Group 1,2,3,9)	RMON 1 (Group 1,2,3,9)	RMON 1 (Group 1,2,3,9)	RMON 1 (Group 1,2,3,9)
MIB	Yes	Yes	Yes	Yes
Port Trunking	Yes	Yes	Yes	Yes
LACP, 802.3ad / Static Trunk	Yes	Yes	Yes	Yes
Security				
IEEE 802.1X	Yes,with Radius Server	Yes	Yes,with Radius Server	Yes
SNMP V3 SHAM/MD5	Yes	No	Yes	No
Port Lock by MAC	Yes	Yes	Yes	Yes
Secure Shell (SSH) encryption	Yes	No	Yes	No
Diagnostic				
LED (Power, link status. Master)	Power, Sys Ready, DI,DO, Ring Status, Port Link/Activity	Power, Fault, Master	Power, Sys Ready, DI,DO, Ring Status Port,Link/Activity	Power, Fault, Master
Configured Relay Warning (Event)	Yes. Port, Power, DI	Yes, Power, port	Yes. Port, Power, DI	Yes, Power, port
Configured E-mail Warning (Event)	Yes	Yes	Yes	Yes
Port Mirroring	Yes	Yes	Yes	Yes
Trap (event)	Yes, 4 Trap stations	Yes,3Trap stations	Yes, 4 Trap stations	Yes, 3 Trap stations
Management Interface				
Proprietary Management Interface (Windows)	JetView, JetView Pro iNMS,NMS	JetView, Jetview Pro iNMS	JetView, JetView Pro iNMS, NMS	JetView, Jetview Pro iNMS
Proprietary Management Interface (Linux, Unix)	JetView, JetView Pro iNMS	JetView, JetView Pro iNMS	JetView, JetView Pro iNMS	JetView, JetView Pro iNMS
Web Brower	Yes, Java script	Yes	Yes, Java script	Yes
In-Band Telnet	Yes	Yes	Yes	Yes
Command Line Interface (CLI)	Yes, Cisco like commands	No, Menu Driven	Yes, Cisco like commands	No, Menu Driven
RS-232 Console Interface	Yes	No	Yes	No
Windows Utility	JetView, JetView Pro iNMS	JetView, JetView Pro iNMS	JetView, JetView Pro iNMS	JetView, JetView Pro iNMS
IEEE 802.1AB LLDP	Yes, IEEE standard	No	Yes, IEEE standard	No
Chinese Web UI (簡體中文界面)	Yes	No	Yes	No
Device Management				
Rate Limiting (broadcast limiter)	Yes	Yes	Yes	Yes
Set Device IP	Yes	Yes	Yes	Yes

Brand Model	Korenix JetNet 4508 V2	Korenix JetNet 4508	Korenix JetNet 4508f V2	Korenix JetNet 4508f
Other				
DHCP Server/ Client	Yes	No, only DHCP Client	Yes	No, only DHCP Client
DHCP Relay Option 82	Yes	No	Yes	No
FTP OR TFTP firmware upgrade	TFTP	TFTP	TFTP	TFTP
SNTP	NTP better than SNTP	SNTP	NTP better than SNTP	SNTP
RARP	Yes	Yes	Yes	Yes
Event log file	Yes	Yes	Yes	Yes
SMTP	Yes	Yes	Yes	Yes
ModBus TCP/IP for SCADA/HMI System	Yes	No	Yes	No
Approvals				
EMI FCC part 15 class A	Yes	Yes	Yes	Yes
EN 55022 class A	Yes	Yes	Yes	Yes
EMS EN61000-4-2 ESD	Yes,6K/8K, Level 3	Yes,4K/8K, Level 2	Yes,6K/8K, Level 3	Yes,4K/8K, Level 2
EMS EN61000-4-3 RS	Yes, 10V/m, Level 3	Yes,3V/m, Level 2	Yes, 10V/m, Level 3	Yes,3V/m, Level 2
EMS EN61000-4-4 EFT	Yes, 2KV/2KV, Level 3	Yes,0.5Kv/1Kv, Level 2	Yes, 2KV/2KV, Level 3	Yes,0.5Kv/1Kv, Level 2
EMS EN61000-4-5 Surge	Yes, DC Pwr 2KV/4KV, Signal 2KV, Level 3	Yes, DC pwr N/A, AC pwr Level 2	Yes, Pwr 2KV/4KV, Signal 2KV, Level 3	Yes, DC pwr N/A, AC pwr Level 2
EMS EN61000-4-6 CS	Yes, 10V, Level 3	Yes,3V/m, Level 2	Yes, 10V, Level 3	Yes,3V/m, Level 2
EMS EN61000-4-8 PFM	Yes, 30A/m, Level 4	Yes,1A/m, Level 1	Yes, 30A/m, Level 4	Yes,1A/m, Level 1
EMS EN61000-4-9 PMF	Yes,300A/m, Level 4	Not applicable	Yes,300A/m, Level 4	Not applicable
Vertical Market Compliance				
IEC 61000-6-2 (Heavy Industrial EMS)	Yes, Certified	No, Light Industrial EMS	Yes, Certified	No, Light Industrial EMS
IEC 61000-6-1 (Heavy Industrial EMI)	Yes, Certified	No, Light Industrial EMI	Yes, Certified	No, Light Industrial EMI
EN50121-1 / EN50121-4 (Railway)	Yes,Certified	No	Yes,Certified	No
NEMA TS1/ 2 (Traffic Control)	Yes, Compliance	No	Yes, Compatible	No
Reliability				
Vibration/Shock	IEC 61373 Certified	IEC 60068-2-27/-2-6	IEC 61373 Certified	IEC 60068-2-27/-2-6
MTBF	701,030 Hrs, GB25	319,175 Hrs	714,839 Hrs, GB25	315,109 Hrs
Operating Temperature range	-25~70°C/ -40~75°C (-w model)	-10~70°C/-40~70°C	-25~70°C/ -40~75°C (-w model)	-10~70°C/-40~70°C

Brand Model	Korenix JetNet 4508 V2	Korenix JetNet 4508	Korenix JetNet 4508f V2	Korenix JetNet 4508f
Watch Dog Timer (Hardware based)	Yes, Hardware Based	No, software based	Yes, Hardware Based	No, software based