

**EKI-7428G-4CI EKI-7428G-4CPI**



**24G+4G组合端口L2网管交换机24G+4G组合端口L2网管PoE交换机**

**特性**

****24 x IEEE 802.3 AF/AT PoE千兆端口+4 x千兆铜缆/SFP组合端口，每个

端口最多提供30瓦

****SFP插座，方便灵活的光纤扩展

****管理：SNMP v1/v2c/v3、web、telnet、标准MIB

****IXM功能支持快速部署

****安全：802.1X（基于端口，MD5/TLS/TTLS/PEAP加密）、HTTPS、SSH

和SNMPv3

****冗余：Gigabit X-Ring Pro（超高速恢复时间<20 ms）、RSTP/

STP（802.1w/1d）、MSTP

****48Vdc电源输入（PoE AF为46-57 Vdc，AT为53-57 Vdc）和2个继电器

输出

****-40~70°C宽范围工作温度

****支持安全包以抵御内部和外部网络威胁

**RoHS**

**COMPLIANT**

2002/95/EC

**介绍**

EKI-7428G是一款工业级第2层全网管交换机，包括24个千兆端口和4个千兆组合端口。它是为机架安装而设计的，可以部署在苛刻的工业环境中。它适用于边缘到核心的工业网络。它集成了第2层交换软件，该软件针对规模和性能进行了优化，为第2层流量转发提供跨所有端口高达56 Gbps的网速。此外，PoE设计为每个端口提供高达30瓦的功率，以满足高功耗设备的需要，此外，它还支持-40~70°C工作温度下的高可靠性，以及双48 Vdc输入电源设计，以确保最短的停机时间确保重要的网络功能。它还嵌入了Advantech ixm，通过快速部署，用户受益匪浅，可以显著节省工程师的时间和成本。

**规格**

**通信**

|  |  |  |
| --- | --- | --- |
| **** | **标准** | IEEE 802.3, 802.3u, 802.3x, 802.3z, 802.1D, 802.1w, |
|  |  | 802.1p, 802.1Q, 802.1X, 802.3ad, 802.3ab |
| **** | **LAN** | 10/100/1000Base-T (X), Optional 100Base-FX, |
|  |  | 1000Base-SX/LX/LHX/XD/ZX/EZX |
| ** 传输距离** | Ethernet: Up to 100 m (4- wire Cat.5e, Cat.6 RJ45 |
|  |  | cable suggested for Gigabit port) |
|  |  | SFP: Up to 110 km (depends on SFP) |
| **** | **传输速度** | Gigabit Copper: 10/100/1000 Mbps, Auto-Negotiation |
|  |  | Gigabit Fiber: Up to 1000 Mbps |

**接口**

** 连接器** 24 x RJ45 (Ethernet)

4 x RJ45/SFP (mini-GBIC) combo ports

4-pin removable screw terminal (Power)

3-pin removable screw terminal (Relay)

** LED 指示灯** 10/100T (X): Link/Activity, Duplex/Collision

Gigabit Copper: Link/Activity, Speed (1000 Mbps)

SFP: Link/Activity

** 控制台** RS-232 (RJ45)

**网络管理**

|  |  |  |
| --- | --- | --- |
| **** | **配置** | Web browser, Telnet, Serial console, TFTP, SNMPv1/ |
|  |  | v2c/v3, Port Speed/Duplex Configuration, IPv6 |
| **** | **VLAN** | IEEE 802.1Q, GVRP, Port-based VLAN |
| ** 冗余** | Advantech X-Ring, 802.1w/1D/1s RSTP/STP/MSTP |
| **** | **安全** | IP Security, SSH, SSL, SNMPV3, HTTPS, IP Source |
|  |  | Guard, DHCP Snooping, ARP Spoofing Prevention, |
|  |  | 802.1X, TACACS+, Access Control List |
| **** | **Traffic 控制** | IGMP Snooping/Query for multicast group |
|  |  | management, Port Trunking, Static/802.3ad, LACP Rate |
|  |  | limit and storm control, IEEE 802.1p QoS CoS/TOS/ |
|  |  | DSCP priority queuing, IEEE 802.3x flow control |
| **** | **诊断** | Port Mirroring, Real-time traffic statistic, MAC Address |
|  |  | Table, SNTP, Syslog, E-Mail Alert, SNMP Trap, RMON |

**构**

|  |  |  |
| --- | --- | --- |
| **** | **外壳** | IP30, metal shell with solid mounting kits |
| ** 尺寸(W x H x D)** | 438 x 43.6 x 259.20 mm (17.24" x 1.72" x 10.2") |
| **** | **安装** | 1U 19" Rack mount |

**源**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **** | **功耗** | 20W | @ 24V | (EKI-7428G-4CI) |
|  |  | 20W | @ 48V | (EKI-7428G-4CPI) |
| **** | **电力预算** | 685W (EKI-7428G-4CPI) |
| **** | **电源输入** | EKI-7428G-4CI 12-48 VDC |
|  |  | EKI-7428G-4CPI 48 VDC (46 to 57 VDC), |
|  |  | 53 -57 VDC is recommended for 802.3at |
| **** | **故障输出** | 2 Relay Outputs |

**护**

**反极性** Present

**过载电流** Present



**Industrial Ethernet Soultions**

All product specifications are subject to change without notice. Last updated: 22-Jun-2018

**EKI-7428-4CI**

**EKI-7428-4CPI**

**结构图**

426 [16.77]



79.30 31.50

[3.12] [1.24]



22 41

[0.87] [1.61]

|  |
| --- |
| [0.36] 209. |



438 [17.24]



Unit: mm [inch]

|  |
| --- |
|  12 [0.47] |



|  |
| --- |
| 259.20 [10.20] |

|  |
| --- |
| 72][1. 6043. |

**境**

** 工作温度**

** 储存温度**

** 工作湿度**

**储存湿度**

* **MTBF**

-40 ~ 70°C (-40 ~ 158°F)

-40 ~ 85°C (-40 ~ 185°F)

10 ~ 95% (非凝结)

10 ~ 95% (非凝结)

EKI-7428-4CI: 787,940 hours

EKI-7428G-4CPI: 424,517 hours

**订购信息**

** EKI-7428G-4CI-AE** 24GE+4G Combo Port Managed Ethernet Switch

w/ Wide Temp

** EKI-7428G-4CPI-AE** 24G+4G Combo Port POE Managed Ethernet Switch w/ Wide Temp

**证**

** 安全**

* **EMI**
* **EMS**

UL 61010-2-201

CE FCC EN55022 Class A

EN 61000-4-2

EN 61000-4-3

EN 61000-4-4

EN 61000-4-5

EN 61000-4-6

EN 61000-4-8

|  |  |  |
| --- | --- | --- |
| **** | **Shock** | IEC 60068-2-27 |
| **** | **Freefall** | IEC 60068-2-32 |
| **** | **Vibration** | IEC 60068-2-6 |
| ** Railway Track Side** | EN 50121-4 |
| **** | **Patent** | http://www.advantech.com/legal/patent |

**Online Download** www.advantech.com/products