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| **EKI-2712G-4FPI** | **8G+4SFP Port Gigabit Unmanaged** |  |
| **Redundant Industrial PoE Switch** |  |
|  |  |  |
|  |  |  |
|  | **Features** |  |
|  | **** 8 x IEEE 802.3 af/at PoE Gigabit ports + 4 x SFP ports |  |
|  | **** SFP socket for easy and flexible fiber expansion |  |
|  | **** NEMA TS2 for traffic control |  |
|  | **** EN50121-4 approval for railway trackside deployment |  |
|  | **** -40 ~ 75°C wide-range operating temperature |  |
|  | **** Dual 48 VDCpower input and 1 x relay output |  |
|  |  |  |



**RoHS**

**COMPLIANT**

2002/95/EC

**Introduction**

EKI-2712G-4FPI supports 8 Gigabit IEEE 802.3 af/at PoE ports and 4 SFP (mini-GBIC) ports. They can provide up to 30 watts per port to fulfill high power consumption PD (Power Device). The switch also features a wide -40° to 75°C operating temperature and NEMA TS2 rating, making the switch an ideal solution for use in traffic applications and have successfully passed the EN50121-4 European railway standard requirements of emission and immunity for railway platforms and trackside deployment.

**Specifications**

**Interface**

** I/O Port** 8 x 10/100/1000BASE-T/TX RJ-45

4 x SFP (mini-GBIC) port

** Debug Port** RS-232 (RJ45)

** Power Connector** 6-pin screw Terminal Block (including relay)

**Physical**

** Enclosure** Metal Shell

** Protection Class** IP 30

** Installation** DIN-Rail

** Dimensions (W x H x D)** 74 x 152 x 105 mm (2.91" x 5.98" x 4.13")

**LED Display**

** System LED** PWR1, PWR2, SYS, and Alarm

** Port LED** Link / Speed / Activity

**Certification**

|  |  |
| --- | --- |
| ** EMI** | CE, FCC Class A |
| ** Safety** | UL61010 |
| ** EMC** | EN 61000-4-2 |
|  | EN 61000-4-3 |
|  | EN 61000-4-4 |
|  | EN 61000-4-5 |
|  | EN 61000-4-6 |
|  | EN 61000-4-8 |
|  | EN50121-4 |
| ** Shock** | IEC 60068-2-27 |
| ** Freefall** | IEC 60068-2-32 |
| ** Vibration** | IEC 60068-2-6 |
| ** Traffic control** | NEMA TS2 |
| ** Patent** | http://www.advantech.com/legal/patent |

**Environment**

|  |  |  |  |
| --- | --- | --- | --- |
| **** | **Operating Temperature** | -40 | ~ 75°C (-40 ~ 167°F) |
| **** | **Storage Temperature** | -40 | ~ 85°C |
| ** Ambient Relative Humidity** | | 10 ~ 95% (non-condensing) | |
| **** | **Humidity** | 10 ~ 95% (non-condensing) | |

**Power**

|  |  |  |
| --- | --- | --- |
| ** Power Consumption** | 12.1W @ 48VDC (System) | |
| ** Power Input** | 48 | VDC (46 to 57 VDC), |
|  | 53 | -57 VDC is recommended for 802.3at, |
|  | redundant dual power input | |
| ** Power Budget** | 240W | |
| ** Fault Output** | 1 Relay Output | |



**Industrial Ethernet Solutions**

All product specifications are subject to change without notice. Last updated: 26-Jun-2018

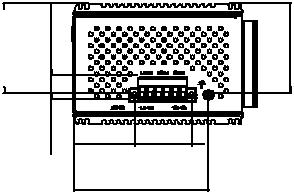
**EKI-2712G-4FPI**

**Dimensions**

|  |  |  |
| --- | --- | --- |
| [2.222] |  |  |
| 781][1. |  |
| 4556. | 2545. |  |
|  |  |
| 591][0. |  |
|  | 15 |  |

Unit: mm [inch]

|  |
| --- |
| 1056. [2.209] |

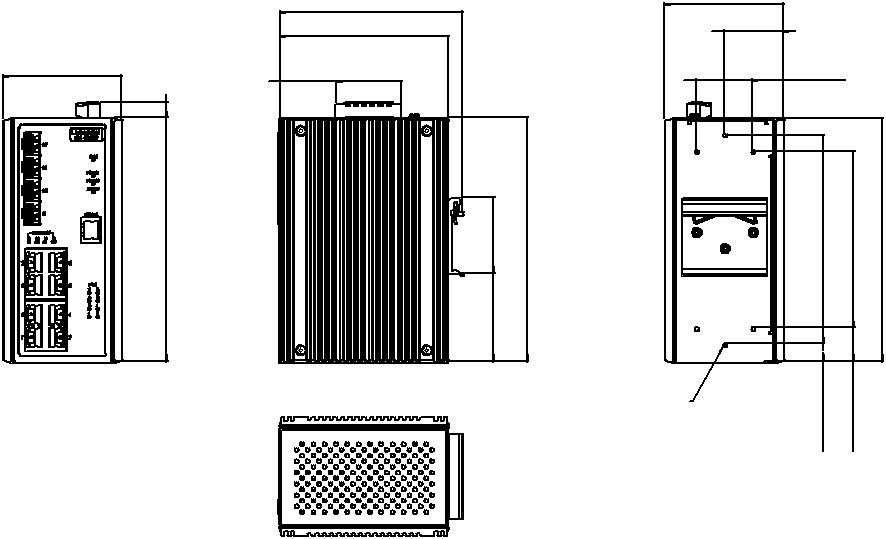


37.72 35.56

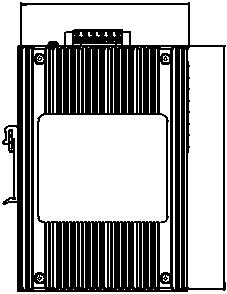
[1.485] [1.400]

83.50 [3.287] 

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 114 [4.488] | |  | 74 [2.913] |  |
|  |  | 37 [1.457] |  |
|  | 105 [4.134] | |  |  |
|  |  | 35 |  |
| 74 [2.913] | 35 | 40.64 |  |  |
| [1.385] | [1.600] |  | [1.378] |  |
|  | [0.390] |  |  |  |  |
|  | 9.90 |  |  |  |  |
|  | 152 [5.984] |  | [2.165] 47 [1.850] | 152 [5.984] |  |
|  |  |  | 55 |  |  |
|  |  |  |  | 6-M3xP0.5 |  |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 19.50 |  |  | 105 [4.134] |  |
| [0.768] |  |  |  |
| 130 [5.118] | 110 [4.331] | 152 [5.984] | 152 [5.984] |  |
| 11 [0.433] | 21 [0.827] |  |  |  |



**Panel Cut-out Dimensions: 105 x 152 x 74 (4.134" x 5.98" x 2.913")**

**Ordering Information**

** EKI-2712G-4FPI-AE** 8GE + 4SFP Port Unmanaged PoE Ethernet Switch

w/Wide Temp

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