Model Name	Switch-S5GPWR		401-24059-ID-SP02				
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1.	1. Summary Switch-S5GPWR has five ports which are 10BASE-Te/100BASE-TX/1000BASE-T compatible ports.						

# 2. Feature

- (1) Ports 1 to 5 (twisted pair ports) are 10BASE-Te/100BASE-TX/1000BASE-T corresponding to auto-negotiation.
- (2) The twisted pair ports 1 to 4 can supply power conforming with IEEE802.3af. They can supply a maximum of 15.4 W of power per port, and the device overall can supply a maximum of 62 W of power.
- (3) Ports 1 to 4 are fixed to be MDI-X, so improper connections due to loop connections are prevented only when straight cables are used.
- (4) Port 5 can make cascade connections due to the straight/cross cable automatic detection function.

Ports 1 to 4 (twisted pair ports) support IEEE802.3af PoE power supply functions.

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### 3. Rated/Environmental Conditions

3-1. Power supply	AC100-240V, 50/60Hz, 1.7A (with a built-in power supply)		
3-2. Power consumption	Normally, Max.75.4W(6.7W when not supplying power), Min.4.1W		
3-3. Operating environment	Temperature: 0 - 40°C Humidity: 20 - 80%RH (no condensation)		
3-4. Storage environment	Temperature: -20 - 70°C Humidity: 10 - 90%RH (no condensation)		
3-5. EMC compliance	CISPR 22 Class A, EN 55022 Class A AS/NZS CISPR22 Class A VCCI Class A EN 61000-3-2, EN 61000-3-3 CISPR 24, EN 55024 IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11		
3-6. Safety compliance	IEC 60950-1 EN 60950-1		
3-7. Environment compliance	RoHS compliant		

### 4. Form

4-1. Form and materials/colors	Dimensions Case material Color	:44mm (Height) ×210mm (Width) ×210mm (Depth) (Excluding protruding sections) :SECC : Main unit: Green 03, Front face: Green 03, Face plate label: Green 02
4-2. Mass(Weight)	1,650g	

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5. Hardw	are Specifications			
5-1. Ir	tterface Tw Tra En Tra Co Ma	l pair port 1–5 :RJ45 connector itting and receiving network system : IEEE802.3az 10BASE-Te IEEE802.3az 10BASE-TX IEEE802.3ab 1000BASE-TX IEEE802.3ab 1000BASE-T Efficient Ethernet :IEEE802.3az (10BASE-Te) ission speed :10/100Mbps full/half duplex, 1000Mbps full duplex, :Twisted pair cable (At least equivalent to EIA/TIA568 categor If there is Category 3 cable used in a connection, the communication at a speed of 10Mbps can not be establis You must use category 5e or higher crossover cable. im transmission distance legotiation :Communication speed and full/half duplex are automatically recognized. The setting can be fixed to 10Mbps, 100 or 1000Mbps and full duplex or half duplex		
5-2. S	witching mode Sw Sw Pa M/ Bu Flo Ag Jur	ching capacity :10.0Gb ket transfer capability :Non-bl Max 14, Max 144 Max 144 C Address table :Max 2K er memory :128K B v control :half-du full-dup ag timeout :300 to bo frame supported :9KB	ocking ,880pps/port(10Mbps) 8,800pps/port(100Mbps) 488,000pps/port(1000Mbps) K entry/unit Byte/unit plex Back pressure plex IEEE802.3x 600 sec.	
5-3. L	ED display (1)	Off : No terminal is connect Port LED (Right) PoE (ports 1–4) LED Green Light : Power is supplied non Orange Light : Overload power supp Off : Power is not supplied connected	10/100/1000 Mbps. eeived at 10/100/1000 Mbps. ted.	
5-4. 0	Cascade connections Po	5 :Auto MDI/MDI-X. (Ports 1 to 4 are fixe	ed to be MDI-X)	
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## 6. Layer 2 Switching Functions

6-1. PoE power supply function	IEEE802.3af PoE power supply function. Up to 62 W of power can be supplied to ports 1 to 4 in total. (Maximum power supplied to a port: 15.4 W)			
	Supply method :Alternative A(Cable signal lines 1, 2, 3, and 6 are used.)			

### 7. Connector Pin Arrangement

7-	-1. Port	1 - 5									
	Status	Pin No.	1	2	3	6	4	5	7	8	Pin No. 1 2 3 4 5 6 7 8
	MDI-X	Signal	BI_DB+	BI_DB-	BI_DA+	BI_DA-	BI_DD+	BI_DD-	BI_DC+	BI_DC-	
	MDI	Signal	BI_DA+	BI_DA-	BI_DB+	BI_DB-	BI_DC+	BI_DC-	BI_DD+	BI_DD-	

### 8. Accessories

8–1. Accessories	<ol> <li>Installation Guide</li> <li>Rubber foot</li> <li>Power cord (CEE7/7)(*)</li> <li>(*) The attached power cord is dedicated for AC 100 - 240 V use.</li> </ol>	:1 :4 :1
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9.	. Prohibitions when Using the Product to Guarantee Safety								
	The manufacturer assumes no responsibility for any problems occurring when the following conditions are not satisfied. Observe the following items when using the product.								
	(1)	<ol> <li>Do not use power supply other than AC 100 - 240 V.</li> <li>Deviation could lead to fire, electric shock, and/or equipment failure.</li> </ol>							
	(2)	(2) Do not handle the power cord with wet hand. Deviation could lead to electric shock, and/or equipment failure.							
	<ol> <li>Do not handle this Switching Hub and connection cables during a thunderstorm. Deviation could lead to electric shock.</li> <li>Do not disassemble and/or modify this Switching Hub. Deviation could lead to fire, electric shock, and/or equipment failure.</li> <li>Do not damage the power cord. Do not bend too tightly, stretch, twist, bundle with other cord, pinch, put under a heavy object and/or heat it. Damaged power cord could lead to fire, short, and/or electric shock.</li> <li>Do not insert, nor drop foreign objects such as metal or combustible things into the inside from the openings or twisted pair ports. Deviation could lead to fire, electric shock, and/or equipment failure.</li> <li>Do not connect equipments other than 10BASE_T/10BASE_Te/100BASE_T/1000BASE_T to twisted pair port. When connecting to a 10BASE_T device, use Cat5 or above cable. Deviation could lead to fire, electric shock, and/or equipment failure.</li> <li>Do not place this Switching Hub in harsh environment (such as near water, high humid, and/or high dust). Deviation could lead to fire, electric shock, and/or equipment failure.</li> <li>Do not place this Switching Hub under direct sunlight and/or high temperature. Deviation could lead to high internal temperature and fire.</li> <li>Do not place this Switching Hub under direct sunlight and/or high temperature. Deviation could lead to high internal temperature and fire.</li> <li>Do not place this Switching Hub into fire.</li> <li>Do not place this Switching Hub into fire.</li> <li>Do not put this Switching Hub into fire.</li> <li>Use the bundled power cord (AC 100 - 240 V specifications). Deviation could lead to electric shock, malfunction, and/or equipment failure.</li> <li>Unplug the power cord in case of equipment failure.</li> <li>Unplug the power cord in case of equipment failure.</li> <li>Connect this Switching Hub to ground. Deviation could lead to electric fire, shock, malfunction, and/or equipment failure.</li></ol>								
	(16) Handle the Switching Hub carefully so that fingers or hands may not be damaged by twisted pair port, console port or power cord hook block.								
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10.	Basic Instructions for the Use of This Product (1) For inspection and/or repair, consult the retailer.								
	-	Use commercial power supply from a wall socket, which is close and easily accessible to this Switching Hub.							
	(3) Unplug th								
	(4) Unplug th								
	(5) Use this S	) Use this Switching Hub within the specifications. Deviation could lead to malfunction.							
		) Do not touch the twisted pair cable modular metal terminals which are connected to RJ45 connectors (twisted pair ports) or the connectors, nor place them near electrically-charged objects. Static electricity could lead to equipment failure.							
	-	Do not put the modular plug of the connected twisted pair cable on objects that can carry static charge, such as carpet. Do not place it in the proximity. Static electricity could lead to equipment failure.							
	• •	) Do not put a strong shock, including dropping, to this Switching Hub. Deviation could lead to equipment failure.							
	(Store and - High hu - Dusty, 1 - Under d - Possible	<ul> <li>Do not store and/or use this Switching Hub in the environment with the characteristics listed below. (Store and/or use this Switching Hub in the environment in accordance with the specification.)</li> <li>High humidity. Possible spilled liquid (water).</li> <li>Dusty. Possible static charge (such as carpet).</li> <li>Under direct sunlight.</li> <li>Possible condensation. High/low temperature exceeding the specifications environment.</li> <li>Strong vibration and/or strong shock.</li> </ul>							
	Failure to and/or m Do not b Blocked If used at	<ul> <li>10) Please use this Switching Hub in place where ambient temperature is from 0 to 40°C.</li> <li>Failure to satisfy the conditions above may result in a fire, electric shock, equipment failure, and/or malfunction. Such events are not covered by the warranty.</li> <li>Do not block the ventilator of the Switching Hub.</li> <li>Blocked ventilator induces the heat accumulation inside, causing equipment failure and/or malfunction.</li> <li>If used at a temperature out of the operating temperature range, the protection equipment becomes activated and the power supply stops.</li> </ul>							
	(11) When using two Switching Hubs, do not stack them. When you place them side by side, allow for a space of 20 mm or more between them.								
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