Model Name	Switch-S5GPWR		401-24059-TH-SP02
Model No.	PN24059-TH	Product Specification	Page 1 of 6

1. Summary

Switch-S5GPWR has five ports which are 10BASE-Te/100BASE-TX/1000BASE-T compatible ports. Ports 1 to 4 (twisted pair ports) support IEEE802.3af PoE power supply functions.

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.

Date issued	Nov. 27, 2015	Panasonic Eco Solutions Networks Co., Ltd.
Date revised	Feb. 22, 2016	I anasome Leo Solutions Networks Co., Ltd.

Model Name	Switch-S5GPWR		401-24059-TH-SP02
Model No.	PN24059-TH	Product Specification	Page 2 of 6

3. Rated/Environmental Conditions

Г	
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	

Date issued	Nov. 27, 2015	Panasonic Eco Solutions Networks Co., Ltd.
Date revised	Feb. 22, 2016	I anasonic Eco Solutions Networks Co., Etu.

lel ie	Swite	h-S5GPW	R		• (• • •	401-24059-TH-SF		
el	PN2	24059-TH		Product Spe	cification	Page 3 of 6		
5.	Hardware Specifications							
5.	5-1. Interface Twisted p Transmit Energy E Transmis Compatib Maximum Auto-Ne			pair port 1-5 tting and receiving network sy Efficient Ethernet ssion speed ible cable m transmission distance egotiation 2 W of power can be supplied	IEEE802.3az IEEE802.3u IEEE802.3ab :IEEE802.3az (1 :10/100Mbps ful :Twisted pair ca (At least equivalent If there is Cat connection, th speed of 10Mb You must use crossover cabl :100m :Communication are automatical The setting can b or 1000Mbps and	10BASE-Te 100BASE-TX 1000BASE-T 10BASE-Te) 10BASE-Te) 10Haff duplex, duplex, duplex, ble to EIA/TIA568 category 5e) egory 3 cable used in a the communication at a ops can not be established. category 5e or higher le. speed and full/half duplex ly recognized. be fixed to 10Mbps, 100Mbps, full duplex or half duplex.		
	5-2. Switching mode Switchin Packet t MAC Ad Buffer m Flow con Aging ti		ntrol meout rame supported	:Store and Forwar :10.0Gbps :Non-blocking Max 14,880pps/p Max 148,800pps/ Max 1,488,000pp: :Max 2K entry/un :128K Byte/unit :half-duplex Back full-duplex IEE :300 to 600 sec. :9KB	.4 W) : Store and Forward : 10.0Gbps : Non-blocking Max 14,880pps/port(10Mbps) Max 148,800pps/port(100Mbps) Max 1,488,000pps/port(1000Mbps) : Max 2K entry/unit : 128K Byte/unit : half-duplex Back pressure full-duplex IEEE802.3x : 300 to 600 sec.			
	5-3. LED display (1) POV (2) Por		Green Blink : Data is be Off : No termin t LED (Right) PoE (ports 1-4) LED Green Light : Power is : Orange Light : Overload	not supplied or PoE r	0/100/1000 Mbps. rload in a single port. receiving equipment is not			
	5-4. Cascade connections Port 5 :		Auto MDI/MDI-X. (Ports 1	to 4 are fixed to be M	DI-X)			
	e issued	Nov. 27, 20		Panasonic Ec	co Solutions N	letworks Co., Ltd.		
ate	e revised	Feb. 22, 20	016					

Model
NameSwitch-S5GPWRProduct SpecificationModel
No.PN24059-THProduct Specification

6. Layer 2 Switching Functions

Up (M	EE802.3af PoE power supply function. to 62 W of power can be supplied to ports 1 to 4 in total. faximum power supplied to a port: 15.4 W) oply 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	 Installation Guide (English) Installation Guide (Thai) Rubber foot Power cord (TIS 166-2549) (*) (*) The attached power cord is dedicated for AC 100 - 240 V use. 	:1 :1 :4 :1
------------------	---	----------------------

Date issued	Nov. 27, 2015	Panasonic Eco Solutions Networks Co., Ltd.
Date revised	Feb. 22, 2016	I anasonic Eco Solutions Networks Co., Etu.

Model Name	Switch-S5GPWR		ch-S5GPWR		401-24059-TH-SP02				
Model No.		PN	24059-TH	Product Specification	Page 5 of 6				
9.									
	The manufacturer assumes no responsibility for any problems occurring when the following conditions are not satisfied. Observe the following items when using the product.								
	 Do not use power supply other than AC 100 - 240 V. Deviation could lead to fire, electric shock, and/or equipment failure. 								
	(2)		andle the power cord with wet h n could lead to electric shock, a						
	(3)		andle this Switching Hub and co n could lead to electric shock.	onnection cables during a thunderstorm.					
	(4)		isassemble and/or modify this S n could lead to fire, electric sho	-					
	(5)	object ar	amage the power cord. Do not h nd/or heat it. I power cord could lead to fire, a	bend too tightly, stretch, twist, bundle with other co short, and/or electric shock.	ord, pinch, put under a heavy				
	(6)	twisted p	pair ports.	s such as metal or combustible things into the ins hock, and/or equipment failure.	ide from the openings or				
	(7)	When co	onnecting to a 10BASE-T devi	a 10BASE-T/10BASE-Te/100BASE-T/1000BAS ice, use a Cat5 or above cable. hock, and/or equipment failure.	E-T to twisted pair port.				
	(8)		lace this Switching Hub in harsh n could lead to fire, electric sho	n environment (such as near water, high humid, and/ ck, and/or equipment failure.	for high dust).				
	(9)	-	lace this Switching Hub under d a could lead to high internal tem	irect sunlight and/or high temperature. perature and fire.					
	(10)		nstall this Switching Hub at the n could lead to injury and/or eq	location with continuous vibration or strong shock, uipment failure.	or at the unstable location.				
	(11)	-	out this Switching Hub into fire. n could lead to explosion and/o	r fire.					
	(12)		bundled power cord (AC 100 n could lead to electric shock	- 240 V specifications). , malfunction, and/or equipment failure.					
	(13)		he power cord in case of equipm n, such as keeping connected fo	nent failure. r a long time, could lead to fire.					
	(14)		this Switching Hub to ground. n could lead to electric shock, r	nalfunction, and/or equipment failure.					
	(15)		the power cord firmly to the po n could lead to electric fire, sho	-					
	(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.								
Dat	e iss	sued	Nov. 27, 2015	Danagonia Ego Colutiona N	latworks Co. Itd				
Date	e rev	rised	Feb. 22, 2016	Panasonic Eco Solutions N	etworks Co., Lta.				

Model Name	Switch-S5GPWR			401-24059-TH-SP02
Model No.	PN	24059-TH	Product Specification	Page 6 of 6
 Basic Instructions for the Use of This Product Fe inspection and/or repair, consult the rotater. Use commercial power supply from a will socket, which is close and easily necessible to this Switching Hub. Unplug the power cord when installing or moving this Switching Hub. Unplug the power cord when installing or moving this Switching Hub. Use this Switching Hub within the specifications. Deviation could lead to multimetion. Do not touch the twitted pair cable modular metal terminals which are connected to RMS connectors (awisted pair to the connectors, nor place them near electrically-braned objects. Static electricity could lead to equipment fail Do not put the modular plag of the connected twisted pair cable on abjects that can carry static charge, such as corpet. Bo not place is not be provided to specifications that the environment with the characteristics lated below. Store and/or use this Switching Hub in the environment with the characteristics lated below. Chosen and and the synthesis in the the environment with the characteristics lated below. Store and/or use this Switching Hub in the environment with the specification. Hub and/or trug shot2. Hubst, Possible stalled lated (water). Hubst, Possible stalled lated (water). Store and/or use this Switching Hub. Store and/or use this Switching Hub. Hubst, Possible stalled lated (water). Store and/or use this Switching Hub. Store and/or use this Switching Hub. Hubst, Possible stalled lated (water). Store and/or use this Switching Hub. Hubst, Possible stalled lated (water). Hubsthub in				Switching Hub. Switching Hub. 45 connectors (twisted pair ports) ould lead to equipment failure. atic charge, such as carpet. 4 below. 1.)
		Nov. 27, 2015	Panasonic Eco Solutions N	letworks Co., Ltd.
Date	e revised	Feb. 22, 2016		