Model Name	1000BASE-LX SFP Module	D. 1 C C	401-54023K-TH-SP01
Model No.	PN54023K-TH	Product Specification	Page 1 of 3

1. Summary

1000 BASE-LX SFP Module is SFP (Small-Factor Pluggable) module to be connected to a Panasonic Switching Hub's SFP extension slot.

2. Rated/Environmental Conditions

2-1. Operating Voltage	DC 3.3V	
2-2. Power consumption	0.9W max.	
2-3. Operating environment Temperature: 0 - 50°C Humidity: 20 - 80%RH (no condensation)		
2-4. Storage environment	Temperature: -20 - 70°C Humidity: 10 - 90%RH(no condensation)	
2-5. Standards	IEEE802.3z 1000BASE-LX INF-8074i Specification for SFP (Small Form factor Pluggable) Transceiver SFF-8742 Diagnostic Monitoring Interface Class 1 Laser Product (EN 60825-1, EN 60825-2) EN 60950-1	

3. Form

3-1. External Dimensions	9mm (Height) × 14mm (Width) × 57mm (Depth) (Excluding protruding sections)	
3-2. Mass (Weight)	17g	

4. Hardware Specifications

4-1. Interface	Fiber port :LC connector (I Transmitting and receiving network Transmission speed Compatible cable	
	Maximum transmission distance	:10km (Single Mode Fiber cable) 550m (50/125 μ m/500MHz•km MMF cable) 550m (50/125 μ m/400MHz•km MMF cable) 550m (62.5/125 μ m/500MHz•km MMF cable) MMF: Multi Mode Fiber
4-2. Optical wavelength	1310nm	
4-3. Output Optical Power	−9dBm min. − −3dBm max.	
4-4. Optical Input Power minimum (Sensitivity)	-21dBm	
4-5. Diagnostic Monitoring Interface	SFF-8472 Diagnostic Monitoring Inter Switching Hub that the device has been * 1 Refer 6-1. Supported Products.	rface for Optical Transceivers (DMI) n installed must have a DMI function too.

5. Accessories

5-1. Accessories	(1) Installation Guide	:1
	(2) Protection cap of the fiver optic port (Attached to the module)	:1

Date revised	07/03/2015	Danagania Fac Calutiona Naturalia Ca. Ital
Date revised		Panasonic Eco Solutions Networks Co., Ltd.

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6. Supported Products

6-1. Supported Products	Please use in Panasonic Switching Hul	Please use in Panasonic Switching Hubs listed below.		
	Supported Product Name	Supported Product Number		
	ZEQUO 6400	PN36240E-TH (*1 Supported DMI function)		
	ZEQUO 2200	PN26241-TH (*1 Supported DMI function)		
	ZEQUO 2210	PN26161-TH (*1 Supported DMI function)		
	Switch-M24eGLPWR+	PN28248-TH (*1 Supported DMI function)		
	Switch-M16eGLPWR+	PN28168-TH (*1 Supported DMI function)		
	Switch-M12eGLPWR+	PN28128-TH (*1 Supported DMI function)		
	Switch-M8eGLPWR+	PN28088-TH (*1 Supported DMI function)		
	Switch-M5eGLPWR+	PN28058-TH (*1 Supported DMI function)		
	Switch-M48eG	PN28480K-TH (*1 Supported DMI function)		
	Switch-M24eG	PN28240K-TH (*1 Supported DMI function)		
	Switch-M16eG	PN28160K-TH (*1 Supported DMI function)		
	Switch-M8eG	PN28080K-TH (*1 Supported DMI function)		
	For the latest information about support	orted product, check our website.		
	*1 DMI: Diagnostic Monitoring Interfa	ace		

Date revised	07/03/2015
Date revised	

7. 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.

- Do not look at the laser light.
 Deviation could lead to visual impairment. (Class 1 Laser Product)
- (2) Do not disassemble and/or modify this SFP Module. Deviation could lead to fire, electric shock, and/or equipment failure.
- (3) Handle the SFP Module carefully so that fibers or hands may not be injured by its end connected to the Switching Hub or the SFP extension slot of the Switching Hub.
- (4) Do not handle this SFP Module and connection cables during a thunderstorm. Deviation could lead to electric shock.
- (5) Do not put foreign objects (such as metal and combustible) into the opening (such as fiber port, case), and/or do not drop them into the inside of the SFP Module. Deviation could lead to fire, electric shock, and/or equipment failure.
- (6) Do not place this SFP Module in harsh environment (such as near water, high humid, and/or high dust). Deviation could lead to fire, electric shock, and/or equipment failure.
- (7) Do not place this SFP Module under direct sunlight and/or high temperature. Deviation could lead to high internal temperature and fire.
- (8) Do not install this SFP Module at the location with continuous vibration or strong shock, or at the unstable location. Deviation could lead to injury and/or equipment failure.
- (9) Do not connect any equipment other than compliance to fiber port. Deviation could lead to fire, electric shock, and/or equipment failure.
- (10) Do not put this SFP Module into fire.

 Deviation could lead to explosion and/or fire.

Basic Instructions for the Use of This Product

- (1) For inspection and/or repair, consult the retailer.
- (2) Correctly and securely connect the SFP Module to the SFP extension slot of a Panasonic Switching Hub.
- (3) Check the connector of the fiber optic cable for dirt and dust. If it is dirty, be sure to clean it before connecting it to the fiber optic port.
- (4) When removing this SFP Module from the SFP extension slot, unlatch the fiber optic cable and remove it from the SFP Module. Then pull down the lever of the SFP Module to the front, pull out the SFP Module in a state where its latch is released.
- (5) Remove the SFP Module from the SFP extension slot before cleaning the SFP Module.
- (6) Do not touch the metal terminal or place electrically-charged objects in the proximity of the SFP Module. Static electricity could lead to breakdown.
- (7) Please use the SFP Module in locations where the ambient temperature is from 0 to 50℃.
- (8) Do not use the SFP Module in any condition where the specification limits are exceeded. Deviation could lead to equipment failure.

Date r	evised	07/03/2015	Danasania Esa Calutiana Naturada Carillal
Date r	evised		Panasonic Eco Solutions Networks Co., Ltd.