

Declaration of RoHS Conformity

Dasan Networks considers the protection of the environment and the preservation of natural resources as a major duty and thus undertakes great efforts to design its products to be environment friendly.

Therefore, as of July 1st, 2006, all contract products of Dasan Networks

- to which the RoHS (the Restriction on the use of certain Hazardous Substances in electrical and electronic equipment) directive applies

- and which are put on the market within the countries where the RoHS requirements are transposed into national law

are in compliance with the requirements of the RoHS.

Dasan Networks reserves the rights to apply the exemptions to the RoHS requirements as set out in the Annex to the RoHS directive, in particular lead in solders for network infrastructure equipment for switching, signaling, transmission as well as network management for telecommunication.



H640GV QIG (Quick Installation Guide)

V3

GPON Optical Network Terminal (ONT)

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1. Caution

Please follow the instructions below to avoid physical injury:

You should not install the unit during a storm. Likewise you should not connect or disconnect any line to avoid the risk of electric shock.

Lay the cables so that no one can step on them or trip over them.

This section lists important information that will help you to get proper use of this unit and accessories. Please read the following instructions carefully before installing and operating your unit.

Caution & Warning

- This unit is indoor use and all the communication wirings are limited to inside of the building.
- DO NOT plug in, turn on or attempt to operate an obviously damaged unit.
- Never look directly at the fiber TX port and fiber cable ends when they are powered on.
- DO NOT use near water.
- DO NOT place near high temperature source.
- DO NOT disassemble the unit.
- DO NOT operate the unit in a location where the maximum ambient temperature exceeds 122°F (50°C).
- Open optical connections must use a protective cap under all circumstances to protect against physical damage and dirt.
- Before making connections, use isopropyl alcohol and non-fibrous cellulose to clean the faces of the connectors.
- Avoid impact stresses when handling connectors. Physical damage to the faces of optical connections impairs transmission quality (higher attenuation).
- Avoid a bend radius in excess of 1.18 in (30 mm) for fiber optic links.
- Check the available voltage supply.
- Only use the unit in dry rooms.
- Set up the unit away from direct sunlight or other electrical equipment.
- Only connect approved accessories.
- Clean the unit with a soft, damp cloth.
- It may only be repaired by authorized service personnel.
- Use only the external power adapter supplied with the unit.

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2. Introduction

2.1 Package Contents

- H640GV
- Power Adapter
- RJ45 UTP Cable
- QIG (Quick Installation Guide)

2.2 Specification

Item	Specification
System Memory	128MB DDR3
Flash Memory	128MB Nand Flash
Uplink Interface	1 GPON port (SC/APC, Optical SFF)
Service Interface	4 10/100/1000Base-TX ports (RJ45)
VoIP Interface	2 POTS ports (RJ11)
LED	PWR, PON, ALM, VoIP, TEL1~2, LAN1~4 (SPD/DPX)
AC/DC Adapter	12VDC/1A, 2-PIN type
Operating Temp.	32 ~ 122°F (0 ~ 50°C)
Humidity	5 ~ 90% (non-condensing)
Dimensions (W x D x H)	6.30 x 4.90 x 1.57 in (160 x 124 x 40 mm)
Switch	On/Off power switch

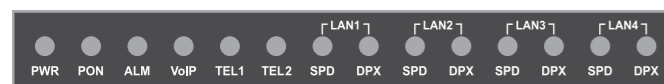
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2.3 Rear View



Item	Description
① OPTIC LINE	Connect the network.
② LAN1~4	Connect PC or LAN.
③ TEL1~2	Connect telephone.
④ POWER	Connect an external power supply.
⑤ ON/OFF	Turn on/off the unit.

2.4 Front View (LEDs)



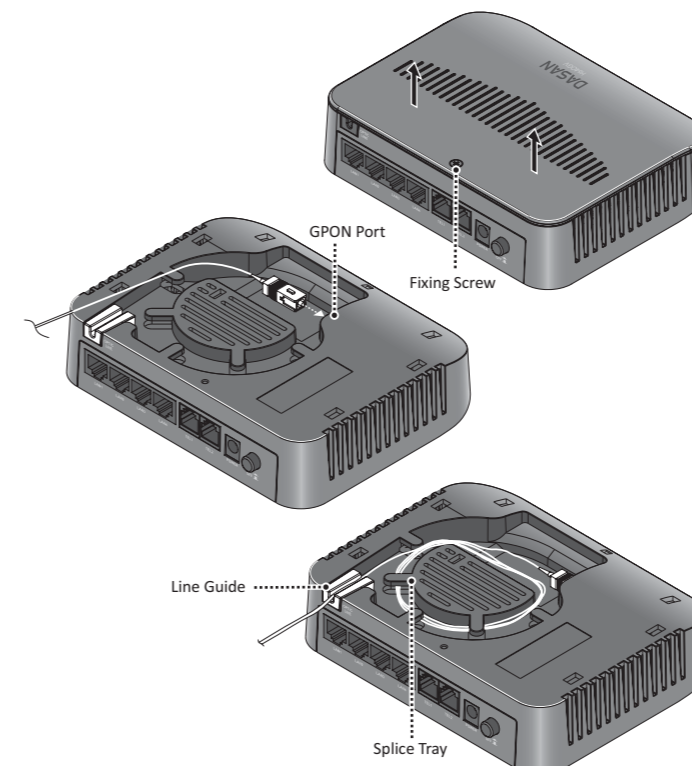
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Label	Light	Status	Description	
PWR	Green	On	The system is starting up to boot.	
		Off	The system is turned off.	
PON	Green	On	Register OK. The SFF port link is up.	
		Off	Not register. The SFF port link is down.	
ALM	Red	On	No optical signal	
		Off	Optical signal detected	
VoIP	Green	On	Register OK	
		Off	Not register	
TEL 1~2	Green	On	Off-hook	
		Off	On-hook	
LAN 1~4	SPD	On	The 1G port link is up.	
		Blink	The 1G transmit or receive activity is present on the service port.	
		Green	The 100M port link is up.	
	DPX	Blink	The 100M transmit or receive activity is present on the service port.	
		On	The 10M port link is up.	
		Blink	The 10M transmit or receive activity is present on the service port.	
DPX	Off	Off	Link down	
		Green	On	Full duplex
		Orange	On	Half duplex
		Off	Link down	

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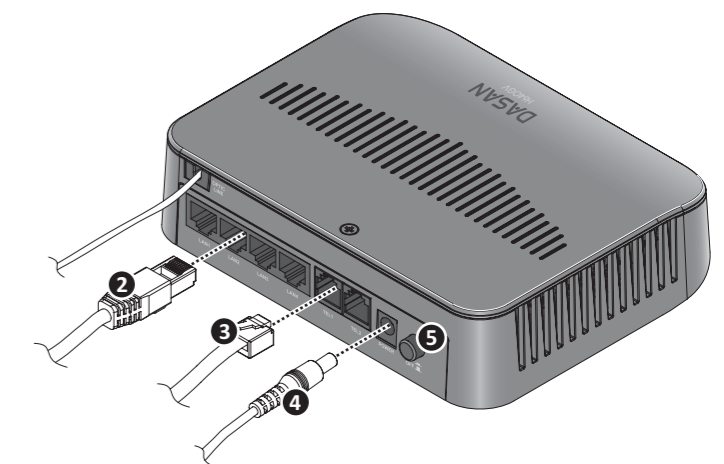
3. Installation

- ① Loosen fixing screw, and pull the upper cover out to remove it. Connect an SC/APC connector cable to GPON port, and then arrange optical line through splice tray and line guide, not to give damage to GPON connection due to any possible pull. And then close the cover, and fix it by tightening screw.



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- ② Connect the Ethernet cable with RJ45 connector from LAN port to PC.
- ③ Connect the telephone wire pair with RJ11 connector from TEL port to phone.
- ④ Connect a power adapter from POWER port to a live AC outlet.
- ⑤ Turn on the power switch.



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