

### Declaration of RoHS Conformity

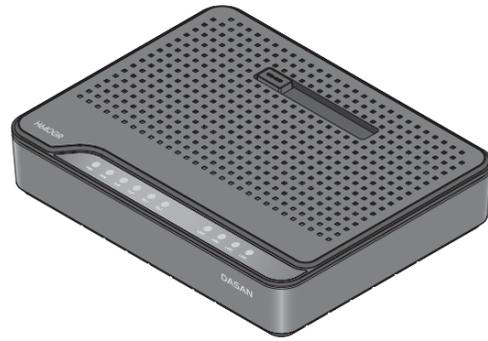
Dasan Networks considers the protection of the environment and the preservation of natural resources as a major duty and thus undertakes great efforts to design its products to be environment friendly.

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.



## H640GR QIG (Quick Installation Guide)

Ver1.1

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 104°F (40°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.
- It may only be repaired by authorized service personnel.

## 2. Introduction

### 2.1 Package Contents

- H640GR
- 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)
Service Interface	4 10/100/1000Base-T ports (RJ45)
VoIP Interface	2 POTS ports (RJ11)
Video Interface	1 RF Video port (F-connector, coax)
LED	PWR, PON, ALM, VoIP, TEL1~2, LAN1~4
Power	AC/DC Adapter: 12VDC/1.5A, 2-PIN type
Operating Temp.	32 to 104°F (0 to 40°C)
Humidity	5 to 90% (non-condensing)
Dimensions (W x D x H)	6.77 x 5.12 x 1.30 in (172 x 130 x 33 mm)
Switch	On/Off power switch
Reset Button	System reboot

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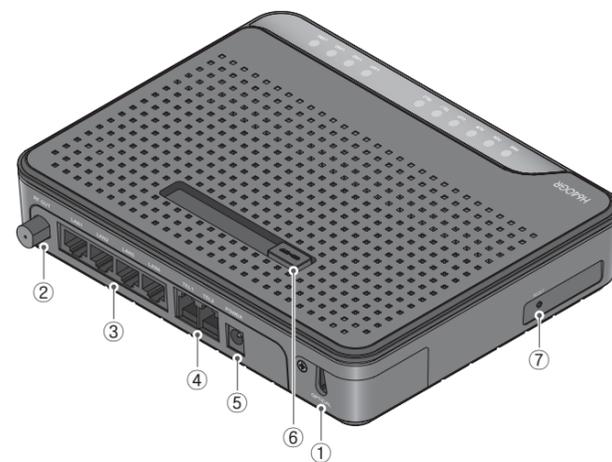
## 2.3 Front View (LEDs)



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 GPON port link is up.
		Off	Not registered. The GPON port link is down.
ALM	Red	On	No optical signal
		Off	Optical signal detected
VoIP	Green	On	Register OK
		Off	Not registered
TEL 1~2	Green	On	Off-hook
		Off	On-hook
LAN 1~4 (LNK/ACT)	Green	On	The 1G port link is up.
		Blink	The 1G transmit or receive activity is present on the service port.
		Off	The 1G port link is down.
	Orange	On	The 100M port link is up.
		Blink	The 100M transmit or receive activity is present on the service port.
		Off	The 100M port link is down.

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## 2.4 Rear View



Item	Description
① OPTICAL	Connect the network.
② F-Connector	Connect TV.
③ LAN1~4	Connect PC or LAN.
④ TEL1~2	Connect telephone.
⑤ POWER	Connect power adapter.
⑥ ON/OFF	Turn on/off the unit.
⑦ RESET	Reboot the unit.

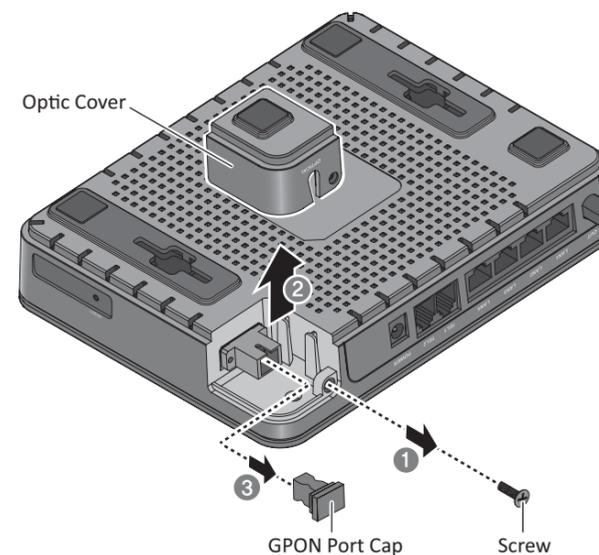
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## 3. Installation

Before installing the unit, you should consider the distance to an easily accessible power outlet and the space required for laying the cables to the connector panel.

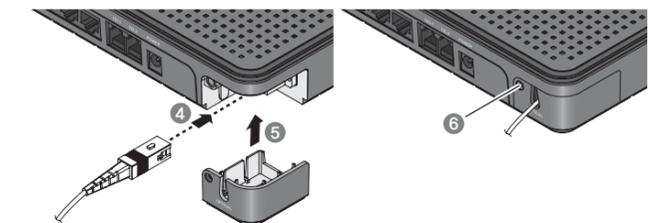
### 3.1 Connecting to Network (through GPON port)

- ① Loosen the screw (M2.6) from the optic cover.
- ② Pull the optic cover out from the body.
- ③ Remove the cap from GPON port.



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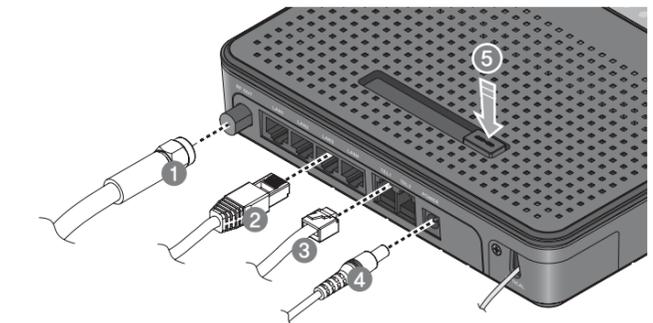
- ④ Plug in the optic cable (SC/APC-connectorized) to connect the ONT to the network (OLT).
- ⑤ Attach the optic cover to the unit.



- ⑥ Tighten the screw on optic cover.

### 3.2 Connecting Video/Ethernet/VoIP/Power

- ① Connect a coaxial cable from RF OUT port to TV.
- ② Plug the Ethernet cable from LAN port to PC.
- ③ Plug the phone cable from TEL port to telephone.
- ④ Connect a power adapter from POWER port to a live AC outlet.
- ⑤ Turn on the unit by pushing the power switch.



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