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.

Declaration of CE Conformity

The CE Declaration of Conformity for the product is fulfilled only if all construction and cabling is undertaken in accordance with the manual and the documentation listed therein, e. g. installation instructions, cabling lists, etc.

Dviations from the specifications or unstipulated changes during construction, e. g. the use of cable types with lower shielding values is a violation of the CE requirements. In such cases, the conformity declaration is invalidated and the manufacturer is recused from responsibilty. All liability passes immediately to those persons undertaking any unauthorized deviations.

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H645G
QIG (Quick Installation Guide)

G-PON Optical Network Terminal (ONT)

DASAN Networks, Inc. www.dasannetworks.com

1. Caution

Please follow the instructions below to avoid physical injury:
You should not install the ONT 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 ONT and accessories. Please read the following instructions carefully before installing and operating your ONT.

⚠ *Caution & Warning*

- *This equipment 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 remove the covers.*
- *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.*

ⓘ *Information*

- *Read and Follow Instructions.*
- *Check the available voltage supply.*
- *Only use the ONT in dry rooms.*
- *Set up the device away from direct sunlight or other electrical equipment.*
- *Only connect approved accessories.*
- *Clean the device with a soft, damp cloth.*
- *It may only be repaired by authorized service personnel.*
- *Use only the external power adapter supplied with the unit.*

2. Introduction

2.1 Package Contents

- H645G
- Power Adapter
- RJ45 CAT5 UTP Cable
- QIG (Quick Installation Guide)

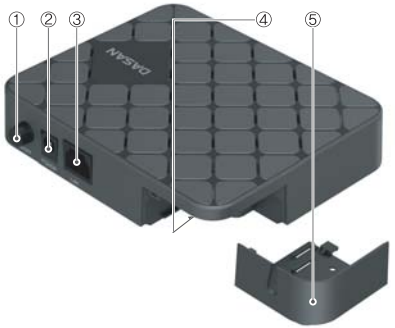
2.2 Specification

Item	Specification
Uplink port (1)	G-PON (2x10 SC/APC SFF type) RX: 1490nm, TX: 1310nm, Distance: 20km
LAN port (1)	10/100/1000Base-T (RJ45 type)
LED	PWR, PON, LOS, LAN
Power Voltage (Power Adapter)	Input: 100-240VAC, 50/60Hz Output: 12VDC/0.5A
Power Consumption	Max. 3.6W
Operating Temperature	32 ~ 122°F (0 ~ 50°C)
Operating Humidity	0 ~ 90% (non-condensing)
Dimension (W x H x D)	4.80 x 1.09 x 3.93 in (122 x 27.9 x 100 mm)

2.3 Front View

Label	Light	Status	Description
① PWR	Green	On	The system is starting up to boot and operation.
		Off	The system is turned off.
② PON	Green	On	ONT registration is successful.
		Blink	ONT registration.
		Off	ONT registration is fail.
③ LOS	Red	On	ONT optical module power off.
		Blink	ONT receives the low optical power.
		Off	ONT receives the nomal optical power.
④ LAN	Green	On	1Gbps Link is up.
		Blink	Transmit or recieve activity is present on the service port.
		Off	Link is down.
	Amber	On	10/100Mbps Link is up.
		Blink	Transmit or recieve activity is present on the service port.
		Off	Link is down.

2.4 Rear View



Item	Description
① ON/OFF	To turn on/off the unit
② POWER	To connect the external power supply
③ LAN	To connect to the PC or LAN
④ Uplink port	To connect to OLT via a passive optical splitter
⑤ Laser Lock Door	To protect optic connection

3. Installation

Before installing the ONT, you should consider the distance to an easily accessible power outlet and the space required for laying the cable to the H645G connector panel.

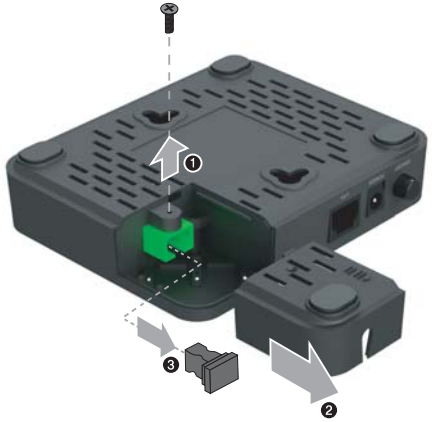
3.1 Connecting to Network(through GPON port)

Please follow the steps below.

① Loosen the screw (M3) from the Laser Lock Door.

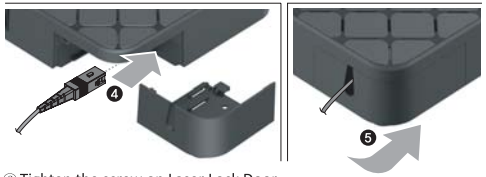
② Pull the Laser Lock Door out from the body.

③ Remove the cap from GPON port.



④ Plug in the fiber connector (SC/APC type) to connect the ONT to the network (OLT).

⑤ Attach the Laser Lock Door to the ONT.



⑥ Tighten the screw on Laser Lock Door.

3.2 Connecting the Power Ethernet

Please follow the steps below.

① Plug the Ethernet cable with RJ45 connector into the ONT RJ45 LAN port.

② Plug Put the connector of power adapter into the ONT POWER port, and plug the input of the adapter into a live AC outlet.

③ Turn on the power switch.