

4.4 Charging

1. Charging the HHC

When charging the HHC by the Vehicle charger, follow these steps:

- (1) HHC is mounted on the Vehicle charger.

The charge lamp of HHC lights up in orange during charge of a battery.

- (2) The charge will be completed for approximately 3 hours. The lamp will be changed to green when completed.

Note

While the HHC is on, the battery is not correctly charged.

Note

If the charging terminal is dirty, the battery may not be charged. Clean a dirty charging terminal using a cotton swab and a neutral detergent.

4.5 Specifications

Item		Specifications
Charging	Charging time	About 3 hours (1 cell)
Power supply		DC12V/24V(an automobile battery)
Temperature and humidity	Operating temperature and humidity	0 to +40°C 10% to 90%RH
	Charging	0 to +40°C
	Storage temperature and humidity	-20 to +60°C 5% to 95%RH
Dimensions and weight		About 250mm(W) × 90mm(D) × 70mm(H) About 0.47kg

4.6 Cleaning

Cover

Clean the cover with a cloth moistened with isopropyl alcohol, with a cloth dipped a water and synthetic detergent solution and squeezed dry, or with a dry cloth. If the second choice is used, be sure to squeeze as much water as possible out of the cloth. Detergent entering the holder can cause a failure.

If thinner, benzene, or other volatile solvent is used for cleaning, colors may change or letters may disappear.

Chapter 5 Multi charger

5.1 Outline

- Outline

When the TeamPad 400G Series HHC is mounted on a Multi charger, the HHC can be charged.

Four battery packs in HHCs can be charged at a time.

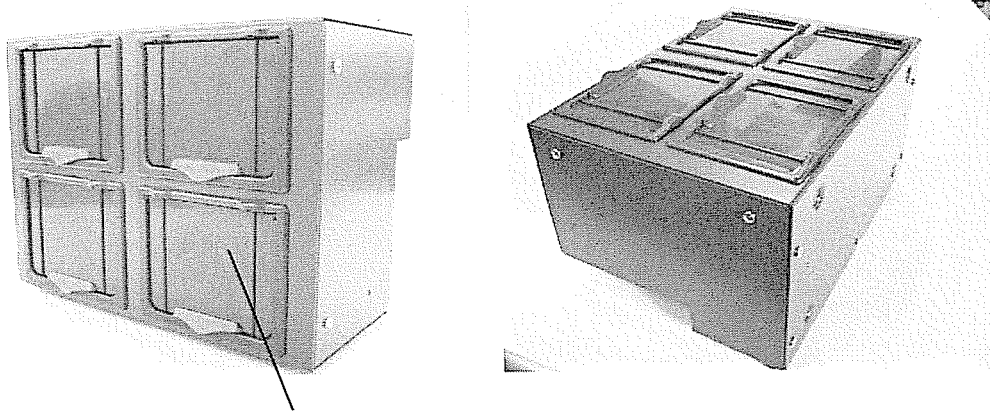
- Operation

FHTMA411W Multi charger does not have a power switch.

When a HHC with a battery is mounted, charging starts.

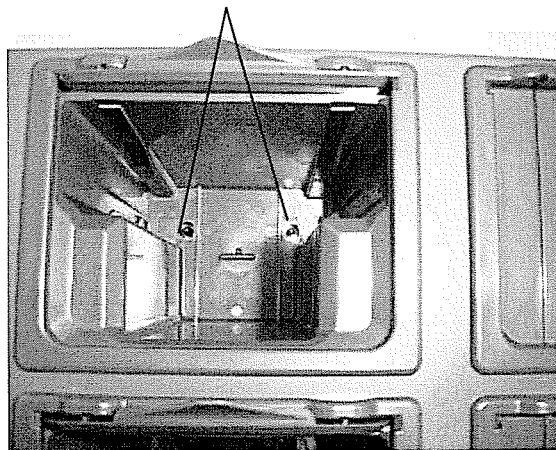
5.2 Component Names

The Multi charger can be set with two ways as shown below.

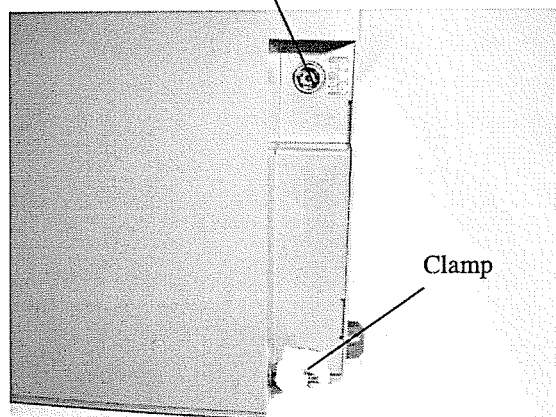


One unit with dustproof cover

Charge terminals



DC IN



5.3 Connection

1. Connecting to a AC adapter

When connecting the Multi charger to a HHC, follow these steps:

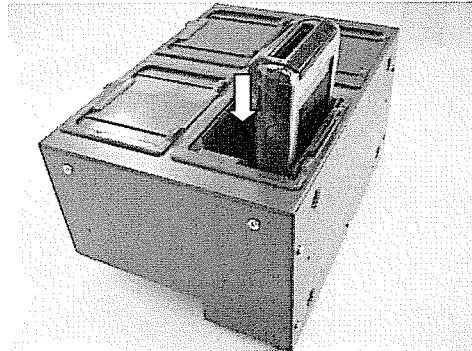
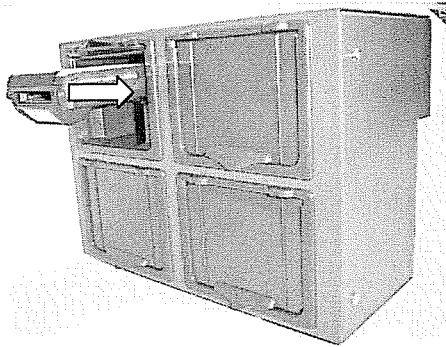
- (1) Connect the AC adapter to the DC IN jack of Multi charger.

The AC adapter is not included with the package of the Multi charger. It should be purchased separately.

- (2) Fix a clamp attached the power cord to the Multi charger.

2.Connecting to a HHC

- (1) Open the dustproof cover of one unit that will be used.
- (2) Check that the charge terminals of the Multi charger and charge terminals of the HHC are not dirty.
- (3) Mount the HHC on the Multi charger as shown below.



3.Connecting to four HHCs

Up to four HHCs can be charged together.

Mount the HHCs one by one as the same steps of connecting to a HHC described above.

Note

If the HHC to be mounted is wet, wipe off moisture completely with gauze. If a wet HHC is mounted on the Multi charger, a malfunction or failure may result.

5.4 Charging

1. Charging the HHC

When charging the HHC by this Multi charger, follow these steps:

- (1) HHC is mounted on the Multi charger.

The charge lamp of HHC lights up in orange during charge of a battery.

- (2) The charge will be completed for approximately 3 hours. The lamp will be changed to green when completed.

Note

While the HHC is on, the battery is not correctly charged.

Note

If the charging terminal is dirty, the battery may not be charged. Clean a dirty charging terminal using a cotton swab and a neutral detergent.

Note

When the Multi charger is not used, close the dustproof cover to protect the charge terminals from dust or dirt.

5.5 Specifications

Item		Specifications
Charging	Charging time	About 3 hours (1 cell)
Power supply		AC100-240V, 50/60Hz
Temperature and humidity	Operating temperature and humidity	0 to +40°C 10% to 90%RH
	Charging	0 to +40°C
	Storage temperature and humidity	-20 to +60°C 5% to 95%RH
Dimensions and weight		About 241mm(W) × 125mm(D) × 173mm(H) About 2.5kg

5.6 Cleaning

Cover

Clean the cover with a cloth moistened with isopropyl alcohol, with a cloth dipped a water and synthetic detergent solution and squeezed dry, or with a dry cloth. If the second choice is used, be sure to squeeze as much water as possible out of the cloth. Detergent entering the holder can cause a failure.

If thinner, benzene, or other volatile solvent is used for cleaning, colors may change or letters may disappear.

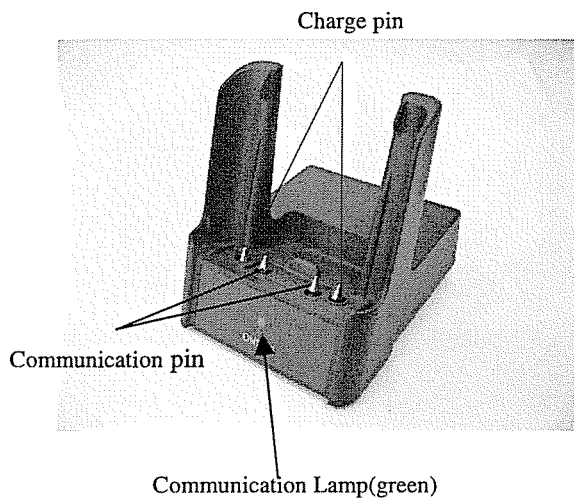
Chapter 6 USB adapter

6.1 Outline

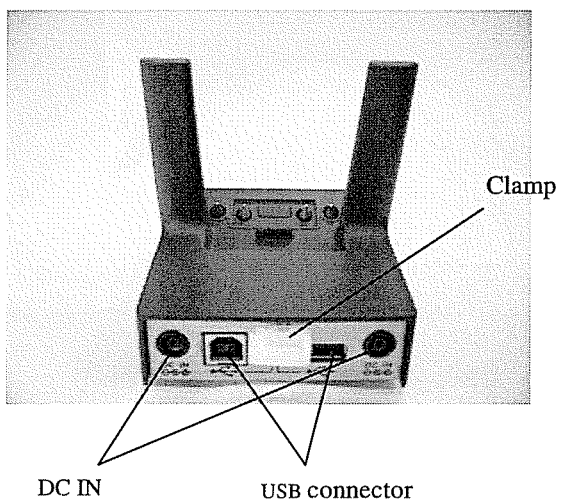
Mounting the Team Pad 400G Series HHC on the USB adapter enables you to communicate with the host computer, as well as recharge its internal battery pack.

6.2 Component Names

Front View



Back View



6.3 Operations Summary

Mount a battery-loaded HHC into the USB adapter, and battery recharging starts (with the charge lamp of HHC being illuminated).

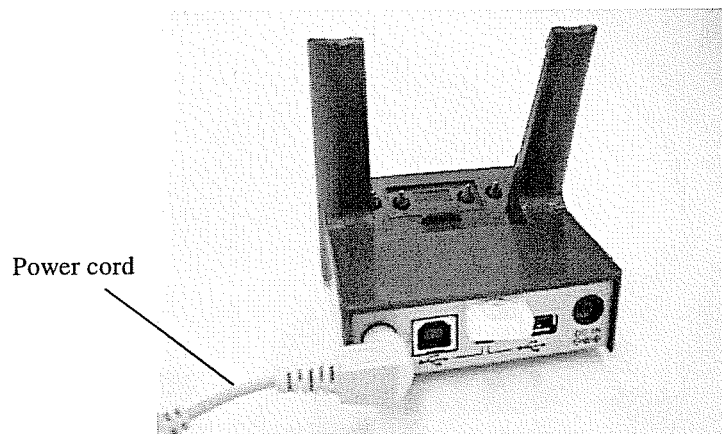
The HHC, when put into a communication state, begins communicating with the host computer to which it is connected.

6.4 Connection

Follow the procedure stated below to connect the USB adapter with the master unit.

6.4.1 Connection with the AC Adapter.

1. Plug the power cord to the USB adapter.

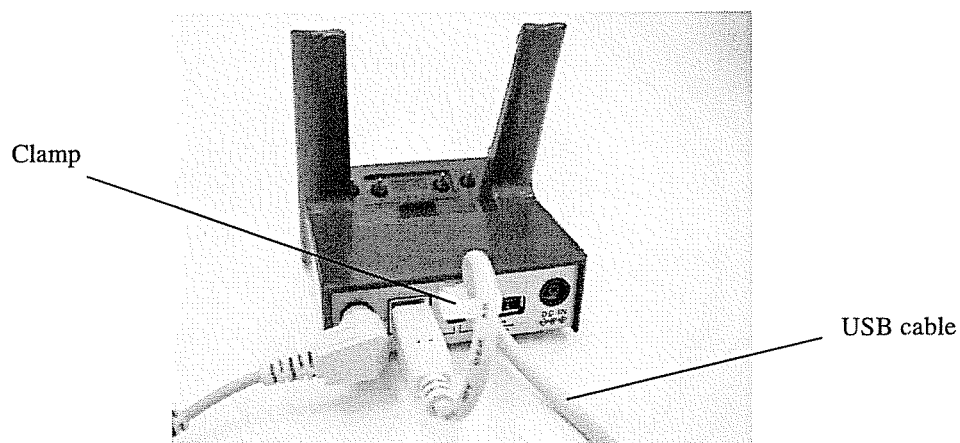


6.4.2 Connection with the USB cable

1. Attach the USB cable (FHTCB271) to the USB connector of the USB adapter.

The USB cable is not included with the package of the USB adapter. It should be purchased separately.

2. Fix a clamp attached the USB cable (FHTCB271) to the USB adapter.

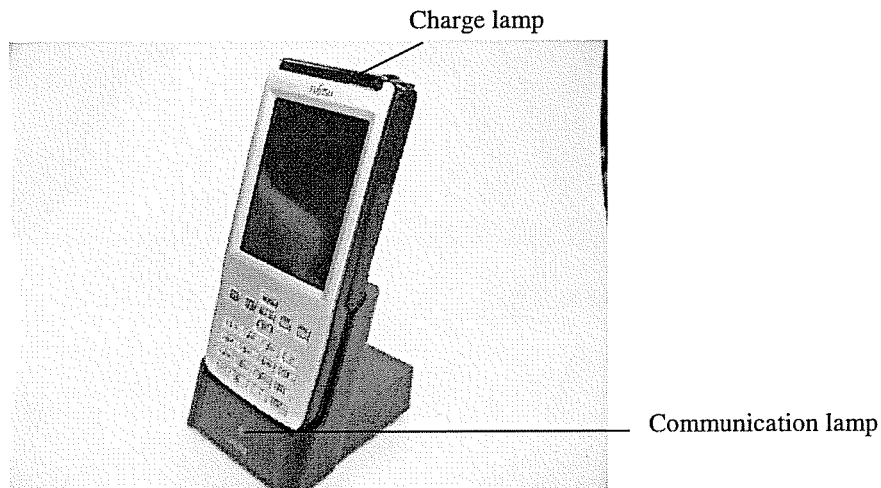


6.4.3 Connection with the Master Unit

1. Unplug the power cord of the USB adapter from the wall outlet and switch off the master unit.
2. Attach the USB cable (FHTCB271) to the USB connector of the master unit.
3. Plug the power cord of the USB adapter in a wall outlet and switch on the master unit after making sure that the cable connections are correct.

6.4.4 Connection with the HHC

1. Make sure that the communication pin of USB adapter and communication pin of the HHC are clean.
2. Hold the HHC with its control panel face toward you and slide it into the USB adapter toward the charge pins. The two units are now connected.



If the communication pins are dirty, the communication may fail. Wipe the communication pins with a cotton swab moistened with neutral detergent diluted with water.

6.5 Communication

1. Plug the USB adapter power cord in a wall outlet.
2. Insert it in the USB adapter, and Place the HHC in communication state.
The communication lamp on the USB adapter lights green during communication.
3. The communication lamp switches off when the communication ends normally.

NOTE

Data may be lost if the power cord of the USB adapter is unplugged from the wall outlet during communication.

Do not unplug the USB adapter power cord before communication ends.

WARNING

A communication error may not be detected if the HHC is removed from the USB adapter during communication, but it may become impossible to exit the communication-in-progress screen. This is not a failure.

Place the HHC back into the USB adapter promptly, or switch the HHC off and on again if this symptom occurs.

6.6 Recharging

Follow the procedure below by using the USB adapter to recharge the HHC.

- (1) Plug the USB adapter power cord in a wall outlet.
- (2) Confirm that the required is mounted.
- (3) Connect the HHC to the USB adapter, recharge begins.
- (4) The charge lamp lights orange during recharge.
- (5) The charge will be completed for approximately 3 hours. The lamp will be changed to green when completed.

NOTICE

Keep the HHC switched off during recharge.

NOTICE

It is impossible to charge its battery completely if the HHC is kept switched on during a recharge.

Specify that the handy terminal be switched off automatically if you want to start recharging after the end of communication.

NOTICE

A dirty charge pin may hamper a normal recharge. Clean any dirty charge pin with a cotton swab dampened with a neutral detergent solution.

NOTICE

Charge the battery at room temperature (10 to 30°C).

6.7 Specifications

Item		Specification
Communication interface	Connection condition	Contact pins
	Synchronization method	Asynchronous
Master unit side interface	Connection condition	USB 1.1 /12Mbps
	Synchronization method	Asynchronous
Communications indicator		Green LED illuminated for the duration of communication, off at a successful ending of the session of communication.
Charge function	Charge time	About 3 hours (1 cell)
Power supply		AC100 – 240 V, 50/60 Hz
Temperature	Operating	0°C to 40°C
	Charging	0°C to 40°C
	Storage	-10°C to 50°C
Humidity	Operating	10% to 90% RH
	Storage	5% to 95% RH
Dimensions		82(Wide) x 96 (deep) x 91 (high) mm
Weight		About 0.25 kg

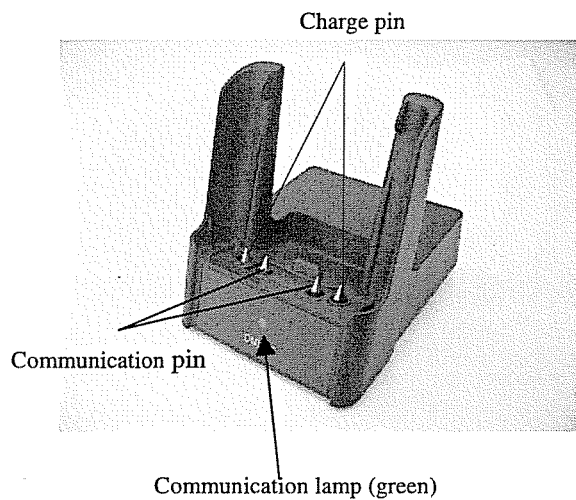
Chapter 7 LAN adapter

7.1 Outline

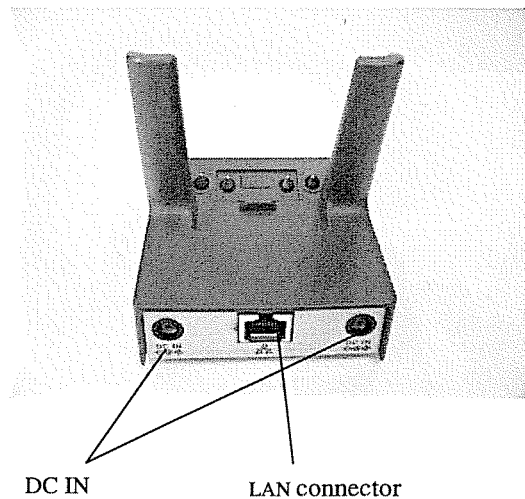
Mounting the Team Pad 400G Series HHC on the LAN adapter enables you to communicate with the host computer, as well as recharge its internal battery pack.

7.2 Component Names

Front View



Back View



7.3 Operations Summary

Mount a battery-loaded HHC into the LAN adapter, and battery recharging starts (with the charge lamp of HHC being illuminated).

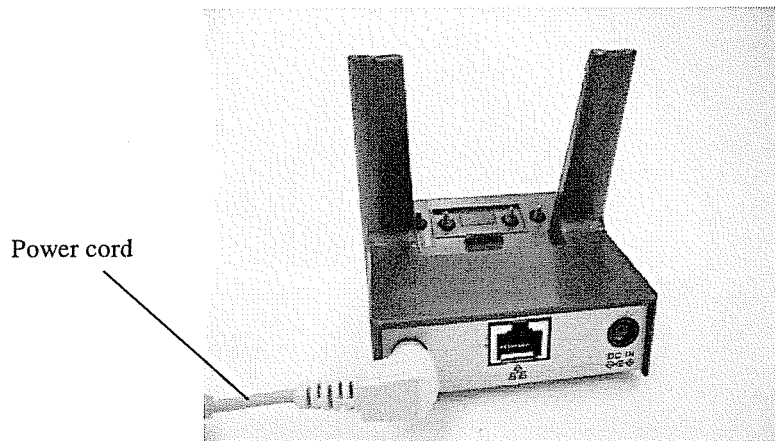
The HHC, when put into a communication state, begins communicating with the host computer to which it is connected.

7.4 Connection

Follow the procedure stated below to connect the LAN ADAPTER with the master unit.

7.4.1 Connection with the AC Adapter.

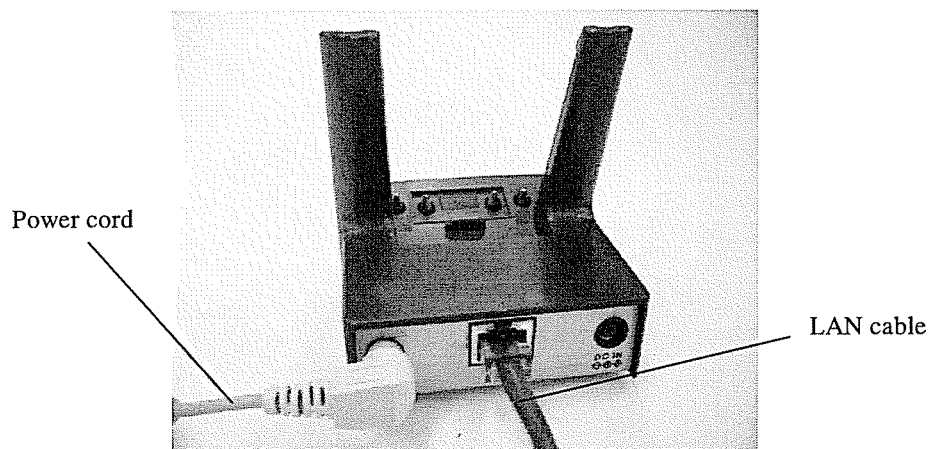
Plug the power cord to the LAN adapter



7.4.2 Connection with the LAN cable

Attach the LAN cable to the USB connector of the LAN adapter.

The LAN cable is not included with the package of the LAN adapter. It should be purchased separately.

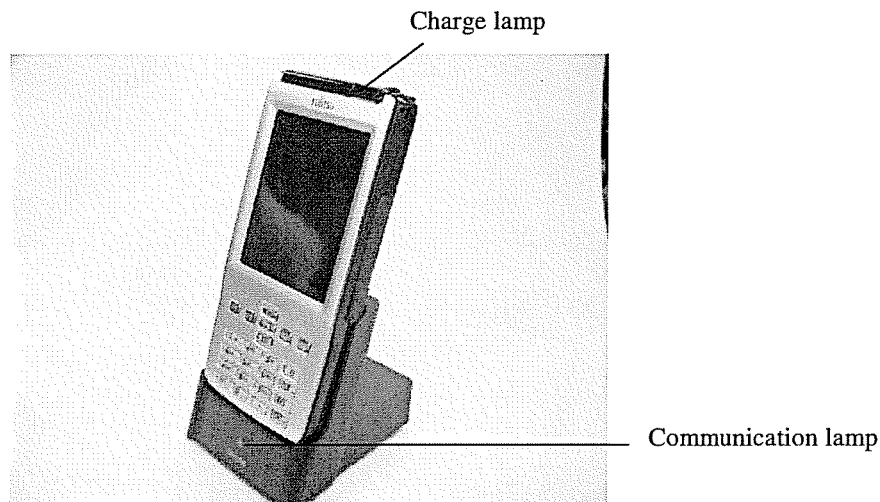


7.4.3 Connection with the Master Unit

1. Unplug the power cord of the LAN adapter from the wall outlet and switch off the master unit.
2. Attach the LAN cable to the LAN connector of the master unit.
3. Plug the power cord of the LAN adapter in a wall outlet and switch on the master unit after making sure that the cable connections are correct.

7.4.4 Connection with the HHC

1. Make sure that the communication pin of LAN adapter and communication pin of the HHC are clean.
2. Hold the HHC with its control panel face toward you and slide it into the LAN adapter toward the charge pins. The two units are now connected.



If the communication pins are dirty, the communication may fail. Wipe the communication pins with a cotton swab moistened with neutral detergent diluted with water.

7.5 Communication

1. Plug the LAN adapter power cord in a wall outlet.
2. Insert it in the LAN adapter, and Place the HHC in communication state.
The communication lamp on the LAN adapter lights green during communication.
3. The communication lamp switches off when the communication ends normally.

NOTE

Data may be lost if the power cord of the LAN adapter is unplugged from the wall outlet during communication.

Do not unplug the LAN adapter power cord before communication ends.

WARNING

A communication error may not be detected if the HHC is removed from the LAN adapter during communication, but it may become impossible to exit the communication-in-progress screen. This is not a failure.

Place the HHC back into the LAN adapter promptly, or switch the HHC off and on again if this symptom occurs.

7.6 Recharging

Follow the procedure below by using the LAN adapter to recharge the HHC.

- (1) Plug the LAN adapter power cord in a wall outlet.
- (2) Confirm that the required is mounted.
- (3) Connect the HHC to the LAN adapter, recharge begins.
- (4) The charge lamp lights orange during recharge.
- (5) The charge will be completed for approximately 3 hours. The lamp will be changed to green when completed.

NOTICE

Keep the HHC switched off during recharge.

NOTICE

It is impossible to charge its battery completely if the HHC is kept switched on during a recharge.

Specify that the handy terminal be switched off automatically if you want to start recharging after the end of communication.

NOTICE

A dirty charge pin may hamper a normal recharge. Clean any dirty charge pin with a cotton swab dampened with a neutral detergent solution.

NOTICE

Charge the battery at room temperature (10 to 30°C).

7.7 Specifications

Item		Specifications
HHC/LAN adapter interface (USB I/F)		USB 1.1/12Mbps
Host computer/LAN adapter interface (LAN I/F)		IEEE802.3/10BASE-T
Communications indicator		Green LED illuminated for the duration of communication, off at a successful ending of the session of communication.
Charge function	Charge time	About 3 hours (1 cell)
Power supply		AC100 – 240 V, 50/60 Hz
Temperature	Operating	0 to +40°C
	Charging	0 to +40°C
	Storage	-20°C to +60°C
Humidity	Operating	10°C to 90%RH
	Storage	5 to 95%RH
Dimensions		82(W) × 96 (D) × 91 (H) mm
Weight		About 0.25kg

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