

# CH4004

## Ikôn™ Rugged PDA Quad Docking Station Quick Reference Guide

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*ISO 9001 Certified  
Quality Management System*



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## **Return-To-Factory Warranty**

Psion Teklogix provides a return to factory warranty on this product for a period of twelve (12) months in accordance with the statement of Warranty and Product Support provided at:

*[www.pSIONteklogix.com/warranty](http://www.pSIONteklogix.com/warranty)*

The warranty on Psion Teklogix manufactured equipment does not extend to any product that has been tampered with, altered, or repaired by any person other than an employee of an authorized Psion Teklogix service organization. See Psion Teklogix terms and conditions of sale for full details.

***Important: Psion Teklogix warranties take effect on the date of shipment.***

## **Service**

Psion Teklogix provides a complete range of product support services to its customers. For detailed information, please refer to “Support Services & Worldwide Offices” on page 8. This section also provides information about accessing support services through the Psion Teklogix web site.

## **List of Approvals**

### ***North America***

EMC: FCC part 15, subpart B; class B

### ***Europe***

EMC and Low Voltage Directives

This equipment complies with the essential requirements of EMC Directive 2004/108/EC and Low Voltage Directive 72/23/EEC.



When used in a residential, commercial or light industrial environment the product and its approved UK and European peripherals fulfill all requirements for CE marking.

## Declaration Of Conformity

Declaration of Conformity Documents are provided at:

[www.pSIONteklogix.com/DoC](http://www.pSIONteklogix.com/DoC)



## Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC

This Product, and its accessories, comply with the requirements of the Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC.

If your end-of-life Psion Teklogix product or accessory carries a label as shown here, please contact your local country representative for details on how to arrange recycling.

For a list of international subsidiaries, please go to:

<http://www.pSIONteklogix.com/EnvironmentalCompliance>

## Restriction On Hazardous Substances (RoHS) Directive 2002/95/EC

### ***What is RoHS?***

The European Union has mandated that high environmental standards be met in the design and manufacture of electronic and electrical products sold in Europe, to reduce hazardous substances from entering the environment. The “Restriction on Hazardous Substances Directive (RoHS)” prescribes the maximum trace levels of

lead, cadmium, mercury, hexavalent chromium, and flame retardants PBB and PBDE that may be contained in a product. Only products meeting these high environmental standards may be “placed on the market” in EU member states after July 1, 2006.



Although there is no legal requirement to mark RoHS-compliant products, Psion Teklogix Inc. indicates its compliance with the directive as follows:

The RoHS logo located either on the back of the product or underneath the battery in the battery compartment (or on a related accessory such as the charger or docking station) signifies that the product is RoHS-compliant as per the EU directive. Other than as noted below, a Psion Teklogix product that does not have an accompanying RoHS logo signifies that it was placed on the EU market prior to July 1, 2006, and is thereby exempt from the directive.

**Note:** *Not all accessories or peripherals will have a RoHS logo due to physical space limitations or as a result of their exempt status.*

## Disclaimer

Every effort has been made to make this material complete, accurate, and up-to-date. In addition, changes are periodically added to the information herein; these changes will be incorporated into new editions of the publication.

Psion Teklogix Inc. reserves the right to make improvements and/or changes in the product(s) and/or the program(s) described in this document without notice, and shall not be responsible for any damages, including but not limited to consequential damages, caused by reliance on the material presented, including but not limited to typographical errors.



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# 1. Important Instructions

- Before using the CH4004 Quad Docking Station, read all instructions and markings on the housing.
- Do not operate the AC/DC adaptor and the CH4004 if they are struck by a sharp blow, dropped, or otherwise damaged in any way—qualified service personnel should inspect for internal damage.

***Important:*** ***SAVE THESE INSTRUCTIONS—This manual contains important operating and maintenance instructions for the CH4004 series.***

***Important:*** ***DO NOT EXPOSE TO RAIN OR SNOW! However, the CH4004 is designed to accept a wet Ikôn Rugged PDA without harmful effect.***

*The CH4004 storage temperature is -30°C to +60°C (-22°F to 140°F). Operating humidity and temperature is 5 - 95% non-condensing and 0°C to 40°C (32°F to 104°F).*

***Important:*** ***This docking station cannot be used with non-Ikôn PDAs. Although they may share the same battery terminating connector, they are designed with different applications in mind.***

***Important:*** ***THE POWER SUPPLY SHALL BE PSION TEKLOGIX P/N 9010963 WITH A PROPER AC CORD THAT SHALL COMPLY WITH THE NATIONAL SAFETY REGULATIONS OF THE COUNTRY WHERE THE EQUIPMENT IS TO BE SOLD.***



***Important: Do not operate the AC/DC adaptor with a damaged AC cord or AC plug.***

***Do not disassemble the AC/DC adaptor; it should be repaired by qualified personnel.***

***An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in fire or electric shock. If an extension cord must be used, make sure:***

- the plug pins on the extension cord are the same number, size, and shape as those on the adaptor,***
- the extension cord is properly wired and in good electrical condition, and that the wire size is larger than 18 AWG***

Figure 1.1 AC/DC Adaptor



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## 2. CH4004 Introduction

The CH4004 Quad Docking Station (Figure 2.1) is a desktop model designed to accept as many as four Ikôn Rugged PDAs. The docking station powers the Ikôns and their internal battery charger. The docking station also connects from one to four Ikôns to a 10/100 Base-T Ethernet network and allows for Ethernet data transfer.

Figure 2.1 Quad Docking Station Front View



### 2.1 Operator Controls

The CH4004 has no operator controls or power switch.

### 2.2 Indicators

The quad docking station has two rear Ethernet LEDs and no front LEDs.

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## 3. Quad Docking Station Operation

### 3.1 Charging The Ikôn Battery

Insert the adaptor's DC power MINI FIT JR plug into the CH4004 rear DC input receptacle. The adaptor LED should be ON when powered from the mains.

The CH4004 supplies DC power to enable the Ikôn internal fast charger. Normally, it takes 2.5 to 3.0 hours to charge the Ikôn 5000 mAh battery.

When installed in the docking station, the Ikôn battery charge LED will illuminate to indicate the unit has external power and may charge the internal battery.

- During charge the Ikôn LED will be a slow flashing green.
- When the battery capacity reaches 95%, the LED turns solid green.

A full charge of the Ikôn battery will take 2.5 to 3.0 hours for a 5000 mAh battery.

***Note:** Battery charging continues whether the Ikôn is switched on or off.*

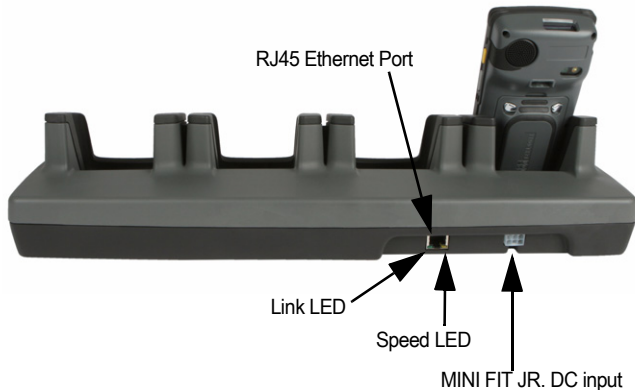
### 3.2 Connecting To The Ethernet

The rear-mounted RJ45 connector incorporates LEDs that indicate data traffic (see Figure 3.1 on page 6) when:

- The Ikôn is in the docking station and powered on;
- The docking station is powered by the AC/DC adaptor;
- The docking station is connected to Ethernet network with a Category 5 cable plugged into the RJ45 rear socket.

The green Link LED flashes to indicate the presence of data traffic. The yellow Speed LED is steady ON when the network is 100 Mbps and OFF when the network is 10 Mbps.

Figure 3.1 Quad Docking Station Rear View



## 4. Cleaning The CH4004

**Important:** *Do not immerse the unit in water. Dampen a soft cloth with mild detergent to wipe the unit clean.*

- Use only mild detergent or soapy water on a slightly damp cloth to clean the CH4004. Avoid abrasive cleaners, solvents or strong chemicals for cleaning. The plastic case is susceptible to harsh chemicals. The plastic is partially soluble in oils, mineral spirits and gasoline. The plastic slowly decomposes in strong alkaline solutions.
- To clean ink marks from the label, use isopropyl alcohol.

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## 5. Troubleshooting

### 5.1 The Ikôn Charge Indicator LED Stays Off.

When an Ikôn is docked into a powered CH4004 and its charge indicator LED stays off, there could be a problem with the Ikôn or with the docking station. Use an Ikôn with a properly functioning charge indicator to isolate the problem.

### 5.2 The Ikôn Charge Indicator LED Is Fast Flashing Green.

If the indicator fast flashes green when the Ikôn is in any of the four sites:

- Remove the Ikôns and disconnect the adaptor DC power cable.
- Wait at least 20 seconds, and then plug the cable in again.
- If the Ikôn indicator still shows a fault, the Ikôn requires service.

### 5.3 Green LED OFF When Connected To A Network.

- Check the Category 5/5e cable. Replace if the cable is suspect.
- Contact your network administrator.

### 5.4 Yellow LED OFF When Connected To A 100Base-T Network.

- Check the Ethernet cable. Replace if the cable is suspect.

- Contact your network administrator to ensure the network is running at 100 Mbps.

## 5.5 Powered Adaptor LED Stays OFF.

- Check the AC cable. Replace with the same type if the cable is suspect.
  - If the adaptor's LED stays OFF, the adaptor is defective and requires service.
- 

## 6. Support Services & Worldwide Offices

Psion Teklogix provides a complete range of product support services to its customers worldwide. These services include technical support and product repairs.

### 6.1 Technical Support

For technical support in **North America**:

Call Toll free: +1 800 387 8898 Option 3 *or*

Direct Dial: +1 905 813 9900 Ext. 1999 Option 3

For technical support in **EMEA** (Europe, Middle East and Africa), please contact the local office listed in the website below:

<http://www.pSIONteklogix.com/EMEASupport>

For technical support in **Asia**, please contact the local office listed in the website below:

<http://www.pSIONteklogix.com>

Technical Support for Mobile Computing Products is provided via e-mail through the Psion Teklogix customer and partner extranets. To reach the website, go to [www.pSIONteklogix.com](http://www.pSIONteklogix.com), and click on the

appropriate Teknet link on the home page. Then click on the “Login” button or the “Register” button, depending on whether you have previously registered for Teknet. Once you have logged in, search for the “Support Request Form”.

## 6.2 Product Repairs

For repair service in **North America**:

Call Toll free: +1 800 387 8898 Option 2 *or*

Direct Dial: +1 905 813 9900 Ext. 1999 Option 2

For repair service in **EMEA** (Europe, Middle East and Africa), please contact the local office listed in the website below:

*<http://www.pSIONteklogix.com/EMEAsupport>*

For repair service in **Asia**, please contact the local office listed in the website below:

*<http://www.pSIONteklogix.com>*

## 6.3 Worldwide Offices

### COMPANY HEADQUARTERS

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