快速查阅

简介
PDT 7500 系列便携式数据终端使用户随手可得 486 PC 的强大处理功能。此终端使用可充电锂 1400 mAh 智能电池，并将触摸屏技术和条码扫描功能结合在以按键为基础的终端中。

PDT 7500 坚固耐用的手持终端包括:
- PC 标准结构（32 位 486 DX2）
- Microsoft® MS-DOS 6.22 或 Windows® CE 操作系统
- 使用 Symbol 无线局域网技术的无线通讯能力
- 可选的集成 " 无线广域网 (WWAN)" 蜂窝式无线电接收装置（CDPD 和 GSM）
- 集成的激光或图象扫描能力（1 维和 2 维）
- 25 键、36 键或 49 键键盘
- 触摸屏
- 打印和通讯用的 IrDA 兼容接口。
关于本指南

本指南提供了有关操作 PDT 7500 系列终端的信息，并重点讨论下列主题：

- **PDT 7500 的部件** (第 135 页上)
- 安装新的或已充电的电池 (第 137 页上)
- 操作 PDT 7500 (第 139 页上)
- 使用 PDT 7500 36 键键盘 (第 142 页上)
- 使用 PDT 7500 49 键键盘 (第 143 页上)
- 使用 PDT 7500 25 键键盘 (第 145 页上)
- 使用集成激光扫描器 (第 146 页上)
- 使用 Imager (第 148 页上)
- 主机通讯 (第 148 页上)
- 使用触摸屏 (第 149 页上)
- 故障解决 (第 149 页上)。

附件

每个 PDT 7500 都需要一个 1400 mAh 镍电池 (p/n 21-38602-06)。Symbol Technologies 提供下列可选附件：

- 额外的锂电池
- 发挥光笔功能的触笔
- 单槽通讯座
- 四槽通讯座
- 车载通讯座
- IrDA 兼容打印机
- UBC 2000 充电转换器
- 零调制解调器电缆
- 皮套
快速查阅

**PDT 7500** 的部件

### 前视图

- 扫描 LED
- LCD
- 扫描按键
- 电池充电 LED
- 通讯 LED
- 拇指座
- 电源按键
- WAN 天线（仅用于 PDT 753X）

### 顶视图

- 扫描窗口

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PDT 7500 的部件（续）

底视图

后视图

电池压紧装置

锂电池

IrDA 端口

串行通讯端口
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安装新的或已充电的电池

警告：为确保终端正常运行，PDT 7500 上仅能使用 Symbol 锂电池。

欲安装新的或已充电的锂电池：
5. 在电池槽上部钩住新电池的底部，然后将其推入到位。
6. 滑动电池压紧装置以固定电池。

如果电池压紧装置未关闭，请不要对终端进行任何操作，否则会丢失数据。

警告：不要将电池暴露在温度超过 140°F (60°C) 的地方。不要分解、烧弃电池或使电池短路。

将电池从终端拆出
欲从终端拆下电池：
1. 暂时中断终端电源。
2. 向终端上部滑动电池释放开关，直到锁紧装置松开。
3. 向上提起电池直到脱离电池槽。

为终端中的电池充电
要为终端电池充电，请将 PDT 7500 放入通讯座或连接同步 / 充电电缆。

充电时，终端的充电 LED 指示灯变黄色，电池充满时将变成绿色，此过程需要 2-3 个小时。黄色 LED 闪烁表示电池可能存在问
题。


为备用电池充电
通讯座还有一个备用电池充电插座。要在 CRD 7500 通讯座中为备用锂电池充电，请将此电池放入通讯座的充电插座中。充电将自动开始，且通讯座上的充电 LED 会变黄。充电 LED 在充电过程成功结束后变绿，过程需要大约 4 个小时。如果 LED 不亮，则说明插座中没有电池。如果 LED 闪烁黄色，则说明电池故障。

还可在 “UBC 2000 电池充电器” 中为电池充电。详细信息请参阅随 UBC 2000 附带的 Quick Reference Guide（《快速查阅指南》）。
LED 指示
无论使用哪种充电方法，终端的电池充电 LED 都将指示下列电池充电状态：

<table>
<thead>
<tr>
<th>电池充电状态</th>
<th>充电 LED 指示</th>
</tr>
</thead>
<tbody>
<tr>
<td>无电池 / 无充电电源</td>
<td>关闭</td>
</tr>
<tr>
<td>电池正在充电</td>
<td>黄色</td>
</tr>
<tr>
<td>电池已充满</td>
<td>绿色</td>
</tr>
<tr>
<td>电池有问题</td>
<td>闪烁黄色</td>
</tr>
</tbody>
</table>

操作 PDT 7500

终端电源开 / 关
注：在给终端开启前，必须对其进行初始化且电池必须已充满。有关终端初始化信息请参阅您终端的 PDT 7500 Series Product Reference Guide（《PDT 7500 系列产品查阅指南》）。

警告：安装的电池无电时不要用外部电源对终端进行操作。因为当关闭外部电源时，此终端不能正常关闭并进入其低电源状态，这样会导致终端重新启动并损失数据。

欲给终端加电：
1. 请确保终端的电池已完全充满。
2. 按下 PWR（电源）键。
欲暂停终端的操作，请按下 PWR（电源）键。

打开 / 关闭背光
欲打开或关闭背光功能，请按下蓝色的 FUNC（功能）键，然后按 LAMP（夜光）键。
PDT 7500 系列

控制屏幕对比度
欲使屏幕对比变亮，请按下蓝色的 FUNC（功能）键，然后按 LIGHT（亮）键。欲使屏幕对比变暗，请按下蓝色的 FUNC（功能）键，然后按 DARK（暗）键。

重新启动 PDT 7500
如果 PDT 7500 系列终端对屏幕上按钮的输入信息停止反应，必须重新启动终端。

执行“热启动”（DOS 和 Windows CE 终端）
热启动将重新启动终端，并保存所有已存储的记录和输入。
注：热启动过程中仍然打开的文件无法保存。

欲进行热启动，请按下 PWR（功能）键并保持 6 秒钟，然后释放。

执行“冷启动”（DOS 和 Windows CE 终端）
冷启动将重新启动终端。在 Windows CE 环境中，已储存的注册和事物将重启动为原始设置。

要进行冷启动，请按下 PWR（功能）键并保持 15 秒钟，然后将其释放。在 DOS 终端上，此值可在“Setup”（设置）中配置（详细信息请参阅 Product Reference Guide（《产品查阅指南》）。

执行硬复位（仅对于 Windows CE 终端）
硬复位也可以重新启动 PDT 7500 系列终端，但会删除所有已存储的记录和输入。因此，除非热 / 冷启动均不能解决问题，否则不要进行硬复位。

要执行硬复位：
1. 将电池拆下 20 分钟或更长时间。
2. 更换终端中的电池。
3. 校准屏幕显示。
   注： 使用硬复位，格式首选项和其它设置将恢复成其原始的出厂默认值。

校准屏幕（仅用于 Windows CE 终端）
第一次启动 PDT 7500 终端时（及冷启动此终端时），将显示校准屏幕。本部分讲述如何校准终端，使触摸屏上的光标与触笔的尖端对齐。

注： 如果您的终端起初装载的是另一种软件应用程序，则可能不显示此校准屏幕。

要校准 PDT 7500 终端：
1. 必要时，调整 PDT 7500 的对比度使屏幕清晰易读。有关说明请参阅第 140 页上 "控制屏幕对比度"。
2. 按照屏幕指示，在每个目标中心小心地短时按下触笔。当目标在屏幕周围移动时重复此动作。

3. 当提示您接受新的校准时，请轻击屏幕。
使用 PDT 7500 36 键键盘
36 键键盘用以产生 26 个字符字母 (A-Z)、数字 (0-9) 及分类字符的字母数字键盘。键盘有彩色标记，指明产生特定字符或操作需要按的修改键（ALPHA（字母）、CTRL（控制）、FUNC（功能）及 SHIFT（换档））。

- 默认的数字键区产生数字 0-9。
- 按 ALPHA（字母）及适当的键可以产生字母字符 A-Z。
- 按 FUNC（功能）（蓝色）及相应的数字键可以产生功能键 F1-F10。
- 按下光标按钮（↑, ↓, →, ←）可使光标在屏幕上左、右、上、下移动。
- 按 BKSP（退格）可以删除屏幕上的输入信息，一次删除一个字符。
- 按 SPACE（空格）加入一个空格。
- 按 CLEAR（清除）可以从应用程序层或屏幕部分或全部退出。CLEAR（清除）键还可从屏幕上删除所有输入数据。
- 输入数据或命令后，按 ENTER（回车）。
- 按 CTRL（控制）可以执行控制功能。此键受应用程序控制。
快速查阅

- 按 \textit{SHIFT} （换挡）及某个键可以产生各种字符键；关于键区
映射请参阅您终端的 \textit{PDT 7500 Series Product Reference Guide} （《PDT 7500系列产品查阅指南》）或应用程序
指南。

注：应用程序可以修改键的功能。您的键盘功能可能与上述不完全相同。

使用 \textbf{PDT 7500 49 键键盘}

49 键键盘用以产生 26 个字符字母 (A-Z)、数字 (0-9) 及分类字符
的字母数字键盘。键盘有彩色标记，指明产生特定字符或操作需
要按的修改键 （\textit{CTRL}（控制）、\textit{FUNC}（功能）及 \textit{SHIFT}
（换挡））。

- 默认的数字键区产生数字 0-9。
- 默认的字母键区产生小写字母字符 a-z。
- 按下 \textit{FUNC}（功能）及相应的数字键可以产生功能键 F1-
F10。
- 按下光标按键（↑、↓、→、←）可使光标在屏幕上左、右、
上、下移动。
- 按 \textit{BKSP}（退格）可删除屏幕上的输入信息，一次删除一个
字符。
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- 按 SPACE（空格）（FUNC 状态下）可输入一个空格。
- 按 CLEAR（清除）可从应用程序层或屏幕部分或全部退出。CLEAR（清除）键还可从屏幕上删除所有输入数据。
- 输入数据或命令后，按 ENTER（回车）。
- 按 CTRL（控制）执行控制功能。此键受应用程序控制。
- 按 SHIFT（换档）及某个键可以产生各种字符键；关于键区映射请参阅您终端的PDT 7500 Series Product Reference Guide（《PDT 7500 系列产品查阅指南》）或应用程序指南。

注：应用程序可以修改键的功能。您的键盘可能与上述功能不完全相同。
快速查阅

使用 PDT 7500 25 键键盘
25 键键盘产生数字 0-9、功能键 F1-F10 及各种操作键。

- 默认的数字键区产生数字 0-9。
- 按下 FUNC （功能）及相应的数字键可以产生功能键 F1-F10。
- 按下光标按键（↑、↓、←、→）可使光标在屏幕上左、右、上、下移动。
- 按 BACK （退格）可删除屏幕上的输入信息，一次删除一个字符。
- 按 CLEAR （清除）可从应用层或屏幕部分或全部退出。
- CLEAR （清除）键还可从屏幕上删除所有输入数据。
- 输入数据或命令后，按 ENTER （回车）。
- 关于键盘图请参阅您终端的 PDT 7500 Series Product Reference Guide （《PDT 7500 系列产品查阅指南》）或应用程序指南。

注：应用程序可以修改键的功能。您的键盘可能与上述功能不完全相同。
使用集成激光扫描器
要使用激光扫描器：
1. 验证系统已启动。如果已启动扫描功能且激光已打开，则 LED 发出黄光。
2. 在条码处对准 PDT 7500 扫描窗口并按下扫描按钮。
   不要使 PDT 7500 与条码成直角。最多可使 7500 向前或向后倾斜 65。成功完成解码。
3. 如下所示，确保扫描光束覆盖符号上的所有条码和空间。

   ![正确 vs 错误扫描示意图]

使扫描器离较大的符号远一些，而当符号的条码紧密靠近时将扫描器靠近些。
4. 成功解码后 LED 由黄色变成绿色。PDT 7500 还可在成功解码时发出蜂鸣声。

扫描 PDF417 条码
PDF417 条码符号有多行，但光栅图案也有多个扫描行。扫描时要求两个基本步骤：
1. 将扫描器对准条码并按下扫描按钮。
2. 光栅图案扩展时，使图案与条码保持在同一水平面上。

3. 终端用以下方式表示扫描成功：LED 的颜色从黄色变成绿色，发出一次或多次蜂鸣声和 / 或在屏幕上显示已解码的条码。

“高”PDF 条码
如果 PDF417 符号“高”，则垂直扫描图案的高度可能不足以将条码覆盖。
这种情况下，请尝试做“上下”慢速扫描移动。光栅图案开启时，尝试将扫描器慢慢向符号的底部移动，使光束与条码行保持水平，然后慢慢反向朝顶部移动。
P DT 7500 系列

扫描光束不必完全平行于符号的顶部和底部（最多可倾斜4°）。

**使用 Imager**

要扫描符号：

1. 按下扫描按钮并按瞄准图案的任何方向居中符号。整个符号必须在弧内。

2. 压住扫描按钮直到Imager发出蜂鸣声，表示条码已被解码。
快速查阅

主机通讯
PDT 7500 系列终端可使用 RS-232 串行电缆或通讯座通过其通讯端口直接与主机 PC 通讯，或通过 Spectrum24 
无线局域网以无 
线方式与主机 PC 通讯。有关使用 PDT 7540 系列终端设置和进行 
无线通讯的详细信息，请参阅 PDT 7500 Series Product Reference 
Guide（《PDT 7500 系列产品查阅指南》）。

使用 RS-232 串行电缆
要为主机通讯连接 RS-232 串行电缆：
1. 连接 RS-232 串行通讯电缆的接头到转换器电缆的接头。
2. 将转换器电缆的微型接头插入终端底部的串行通讯端口。
3. 将 RS-232 串行通讯电缆的另一端插入主机 PC。
4. 按照应用程序指定的方式开始主机通讯。

使用通讯座
要通过通讯座进行通讯：
1. 确保通讯座与主机间的所有连接都可靠。有关安装通讯座的 
说明，请参阅随通讯座附带的 Quick Reference Guide《快速 
查阅指南》。
2. 接通主机、通讯座及终端的电源。
3. 将终端插入通讯座。
4. 按照应用程序指定的方式开始主机通讯。

与打印机通讯
PDT 7500 通过终端底部的 IrDA 接口与 IrDA 兼容的外围设备进 
行通讯。要进行打印，请将 PDT 7500 的 IrDA 端口指向 IrDA 兼 
容打印机的 IrDA 端口，最大距离为 39 英寸（1 米），然后运行 
应用程 
序的打印功能。与打印机的通讯也可通过直接连接到打印机 
的 RS-232 电缆建立。
使用触摸屏

一些PDT 7500终端配备有"触摸屏", 其软件可使触笔起到鼠标的作用。从Symbol可获得终端使用的可选触笔。触笔进一步的功能则依应用程序而定。详细信息请参阅应用程序的文档。

故障解决

<table>
<thead>
<tr>
<th>故障</th>
<th>原因</th>
<th>解决方案</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDT7500电源不通。</td>
<td>锂电池未充电。</td>
<td>充电或更换PDT 7500中的锂电池。</td>
</tr>
<tr>
<td></td>
<td>系统崩溃。</td>
<td>按住PWR（功能）键15秒钟，DOS终端用户可在&quot;Setup&quot;（设置）中更改此值。</td>
</tr>
<tr>
<td>可充电锂电池不充电。</td>
<td>电池故障。</td>
<td>更换电池。</td>
</tr>
<tr>
<td></td>
<td>电池正在充电时，PDT 7500被从通讯座上拆除。</td>
<td>将PDT 7500插回通讯座并开始充电。充满锂电池需要2-3小时。</td>
</tr>
<tr>
<td>在显示屏中看不到字符。</td>
<td>PDT 7500电源未接通。</td>
<td>按下PWR（电源）键。</td>
</tr>
<tr>
<td></td>
<td>对比度调整不当。</td>
<td>按下蓝色的FUNC（功能）键，然后按Dark（暗）或Light（亮）键调整对比度。</td>
</tr>
<tr>
<td>按下扫描按钮时，扫描器电源未接通。</td>
<td>未启用扫描器。</td>
<td>请咨询您的系统管理员。</td>
</tr>
</tbody>
</table>
### 故障 查阅

<table>
<thead>
<tr>
<th>故障</th>
<th>原因</th>
<th>解决方案</th>
</tr>
</thead>
<tbody>
<tr>
<td>扫描器不解码。</td>
<td>条码不可读。</td>
<td>验证此条码无缺陷，即粘污或破损。</td>
</tr>
<tr>
<td></td>
<td>扫描窗口不干净。</td>
<td>用镜头纸清洁扫描窗口。眼镜布亦可。不要使用涂有洗剂的织物。</td>
</tr>
<tr>
<td></td>
<td>未启动扫描码。</td>
<td>请咨询您的系统管理员。</td>
</tr>
<tr>
<td>与 IrDA 打印机通讯失败。</td>
<td>距打印机的距离超过 1 米（39 英寸）。</td>
<td>使终端靠近打印机并尝试再次通讯。</td>
</tr>
<tr>
<td></td>
<td>障碍物干扰通讯。</td>
<td>查看通道以确保其中无障碍物。</td>
</tr>
<tr>
<td></td>
<td>未启动应用程序以运行 IrDA 打印作业。</td>
<td>在终端上运行 IrDA 打印作业的应用程序必须带有打印机支持。请咨询您的系统管理员。</td>
</tr>
<tr>
<td>按下扫描按钮时没有出现瞄准图案。</td>
<td>电缆连接不良。</td>
<td>检查是否正确连接电缆。</td>
</tr>
<tr>
<td></td>
<td>主机电源未接通。</td>
<td>确保主机系统电源已打开（如果未用外部电源）。</td>
</tr>
<tr>
<td></td>
<td>未启动激光瞄准参数。</td>
<td>确保激光瞄准参数为启动状态。</td>
</tr>
</tbody>
</table>
## PDT 7500 系列

<table>
<thead>
<tr>
<th>故障</th>
<th>原因</th>
<th>解决方案</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Imager 读取符号时出现故障。</td>
<td>系统处于不可读状态。</td>
<td>将该种码制设置为可读。</td>
</tr>
<tr>
<td>符号破损。</td>
<td>确认符号没有破损或被霜或水滴覆盖。</td>
<td></td>
</tr>
<tr>
<td>符号未正确对齐。</td>
<td>确保符号完全在瞄准图内。</td>
<td></td>
</tr>
<tr>
<td>扫描数据不正确显示或完全不显示。</td>
<td>不正确的通讯设置。</td>
<td>检查通讯参数（波特、奇偶性、停止位）是否为主机设置准确。</td>
</tr>
</tbody>
</table>
串行通讯端口引脚图

<table>
<thead>
<tr>
<th>引脚</th>
<th>说明</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GND</td>
</tr>
<tr>
<td>2</td>
<td>DSR</td>
</tr>
<tr>
<td>3</td>
<td>RXD</td>
</tr>
<tr>
<td>4</td>
<td>CTS</td>
</tr>
<tr>
<td>5</td>
<td>DCD</td>
</tr>
<tr>
<td>6</td>
<td>GND</td>
</tr>
<tr>
<td>7</td>
<td>PWROUT (+5V)</td>
</tr>
<tr>
<td>8</td>
<td>PWRIN(+15V)</td>
</tr>
<tr>
<td>9</td>
<td>DTR</td>
</tr>
<tr>
<td>10</td>
<td>响铃</td>
</tr>
<tr>
<td>11</td>
<td>TXD</td>
</tr>
<tr>
<td>12</td>
<td>RTS</td>
</tr>
<tr>
<td>13</td>
<td>保留</td>
</tr>
<tr>
<td>14</td>
<td>GND</td>
</tr>
<tr>
<td>15</td>
<td>PWRIN(+15V)</td>
</tr>
</tbody>
</table>
QRG

PDT 7500 系列
Quick Reference

Ergonomic Recommendations
Caution: In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below. Consult with your local Health & Safety Manager to ensure that you are meeting with your company’s safety programs to prevent employee injury.
• Reduce or eliminate repetitive motion
• Maintain a natural position
• Reduce or eliminate excessive force
• Keep objects that are used frequently within easy reach
• Perform tasks at correct heights
• Reduce or eliminate vibration
• Reduce or eliminate direct pressure
• Provide adjustable workstations
• Provide adequate clearance
• Provide a suitable working environment
• Improve work procedures.

Regulatory Information
Radio Frequency Interference Requirements
This device has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the Federal Communications Commissions Rules and Regulation. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Re-orient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.
This device complies with FCC Part 15. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Important Note: To comply with FCC and Industry Canada RF exposure requirements, this hand-held device is approved for operation in a user's hand when there is 20 cm or more between the antenna and the user's body.

Radio Frequency Interference Requirements - Canada

This device complies with RSS 210 of Industry & Science Canada. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Industry Canada Standard ICES-003.

CE Marking and European Union Compliance

Products intended for sale within the European Union are marked with the CE Mark which indicates compliance to applicable Directives and European Norms (EN), as follows. Amendments to these Directives or ENs are included.

Applicable Directives
- Low Voltage Directive 73/23/EEC

Applicable Standards
- EN 55 022 - Limits and Methods of Measurement of Radio Interference Characteristics of Information technology Equipment
- IEC 1000-4-3(1995-03) - Electromagnetic compatibility (EM C) - Part 4: Testing and measurement techniques - Section 3: Radiated, radio-frequency, electromagnetic field immunity test.
- IEC 1000-4-4(1995-01) - Electromagnetic compatibility (EM C) - Part 4: Testing and
Quick Reference

measurement techniques - Section 4: Electrical fast transient/burst immunity test.
- EN 60 950 + Amd 1 + Amd 2 - Safety of Information Technology Equipment Including Electrical Business Equipment
- EN 60 825-1 (EN 60 825) - Safety of Devices Containing Lasers.

Laser Devices
Symbol products using lasers comply with US 21CFR1040.10, Subchapter J and IEC825/EN 60 825 (or IEC825-1/EN 60 825-1, depending on the date of manufacture). The laser classification is marked on one of the labels on the product. Class 1 Laser devices are not considered to be hazardous when used for their intended purpose. The following statement is required to comply with US and international regulations:

Caution: Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure.

Class 2 laser scanners use a low power, visible light diode. As with any very bright light source, such as the sun, the user should avoid staring directly into the light beam. Momentary exposure to a Class 2 laser is not known to be harmful.

RF Devices
Symbol’s RF products are designed to be compliant with the rules and regulations in the locations into which they are sold and will be labeled as required. The majority of Symbol’s RF devices are type approved and do not require the user to obtain license or authorization before using the equipment. Any changes or modifications to Symbol Technologies equipment not expressly approved by Symbol Technologies could void the user’s authority to operate the equipment.

The Spectrum24 equipment is intended for use throughout the European Economic Area, but its authorization for use in France is restricted as follows:

- PAN European Frequency Range: 2.400 - 2.4835 GHz, identified by -EU suffix to the model number found on the product label.
- France - Restrict Frequency Range for use in France: 2.447 - 2.453 GHz, identified on PDT 7542 by the -FR suffix to the model number found on the product label.
- Belgium - Operation in an outdoor environment in Belgium must be restricted to 2460 - 2483.5 MHz band.
- Italy - Operation in Italy requires a user license.

WARNING: FCC RF Exposure Guidelines
To satisfy FCC RF exposure compliance requirements for a portable transmitting device, this device should be used in hand-held, hand-operated configurations only. The device and its antenna should generally maintain a separation distance of 20 cm or more from a person’s body, except for the hands and wrists because of higher exposure limit for extremities. This device is designed to be used in a person’s hands and its operating configurations, generally do not sup-
P D T 7 5 0 0 S e r i e s

port normal transmissions while it is carried in pockets or holsters next to a person’s body.
Quick Reference

Scanner Labeling

Avoid exposure - laser light is emitted from this aperture.

This label is located inside the battery compartment.
In accordance with Clause 5, IEC 0825 and EN 60825, the following information is provided to the user:

**HEBREW**

1. בטוח לחיים 2. בטוח לחיים

**ENGLISH**

1. **CLASS 1 LASER PRODUCT**
   - **Laser Light**
   - **Do not stare into beam**

2. **CLASS 1 LASER PRODUCT**

**ITALIAN**

1. **CLASSE 1 PRODOTTO AL LASER DI CLASSE 1**
   - **Luce Laser**
   - **Non fissare il raggio prodotto**

2. **CLASSE 2 PRODOTTO AL LASER DI CLASSE 2**

**FRENCH**

1. **PRODUIT LASER DE CLASSE 1**
   - **Lumière Laser**
   - **Ne pas regarder le rayon émis**

2. **PRODUIT LASER DE CLASSE 2**

**GERMAN**

1. **LASERPRODUKT DER KLASSE 1**
   - **Laserstrahlen**
   - **Nicht direkt in den Laserstrahl schauen**

2. **LASERPRODUKT DER KLASSE 2**

**SPANISH**

1. **CLASE 1 PRODUCTO LASER DE LA CLASE 1**
   - **Luz Laser**

2. **CLASE 2 PRODUCTO LASER DE LA CLASE 2**

**DUTCH**

1. **KLASSE 1 LASERPRODUKT**
   - **Laserlicht**
   - **Niet in straal staren**

2. **KLASSE 2 LASERPRODUKT**

**ITALIAN**

1. **CLASSE 1 PRODOTTO AL LASER DI CLASSE 1**
   - **Luce Laser**
   - **Non fissare il raggio prodotto**

2. **CLASSE 2 PRODOTTO AL LASER DI CLASSE 2**

**NORWEGIAN**

1. **KLASSE 1 LASERLYKE KLASS 1 LASERPRODUKT, KLASSE 1**
   - **Klasse 1 Lyset**

2. **KLASSE 2 LASERLYKE KLASS 2 LASERPRODUKT, KLASSE 2**

**FINNISH**

1. **LUOKKA 1 LASERTUOTE**
   - **Ala tuijota säätettä**

2. **LUOKKA 2 LASERTUOTE**

**PORTUGUESE**

1. **LUZ DE LASER DA CLASSE 1**
   - **Luz Laser**

2. **LUZ DE LASER DA CLASSE 2**

**FRENCH**

1. **PRODUIT LASER DE CLASSE 1**
   - **Lumière Laser**
   - **Ne pas regarder le rayon émis**

2. **PRODUIT LASER DE CLASSE 2**

**DANISH**

1. **KLASSE 1 LASERPRODUKT**
   - **Laserlykt**
   - **Ala tuijota säätettä**

2. **KLASSE 2 LASERPRODUKT**

**DEUTSCH**

1. **KLASSE 1 LASERPRODUKT**
   - **Laserstrahl**
   - **Nicht direkt in den Laserstrahl schauen**

2. **KLASSE 2 LASERPRODUKT**

**SWEDISH**

1. **KLASSE 1 LASERPRODUKT, KLASSE 1**
   - **Laserstrålen**

2. **KLASSE 2 LASERPRODUKT, KLASSE 2**

**HINDI**

1. स्वागत है 2. स्वागत है
DEVELOPMENT OF CONFORMITY

We, Symbol Technologies, Inc.
of One Symbol Plaza, Holtsville, NY 11742-1300, USA

declare under our sole responsibility that the product

Spectrum24, LA3021, Type II Radio Card
Spectrum24, LA302C, Type II Radio Card
Spectrum24, LA302T, Type II Radio Card

to which this declaration relates, is in conformity with the following standards and/or other normative documents.

ETS 300 328 (November 1996)
ETS 300 826 (November 1997)
EN 60950: 1992 Incl Amdt 1-4, 11

We hereby declare that all essential radio test suites have been carried out and that the above named products is in conformity to all the essential requirements of Directive 1999/5/EC.

The conformity assessment procedure referred to in Article 10(5) and detailed in Annex IV of Directive 1999/5/EC has been followed with the involvement of the following Notified Body(ies):
BABT, Claremont House, 34 Molesey Road, Walton-on-Thames, KT12 4RQ

Identification mark: 0168 The equipment will also carry the Class 2 equipment identifier

The technical documentation relevant to the above equipment can be made available for inspection on application to:
Symbol Technologies EMEA, Symbol Place, Winnersh Triangle, Berkshire, RG 41 5TP, UK

Dornu Narnor
(name)
Director, Regulatory and Technical Sales
(title)

(signature of authorised person) 3, May 2000 (date)
We, Symbol Technologies, Inc.
of One Symbol Plaza, Holtsville, NY 11742-1300, USA
declare under our sole responsibility that the product
Spectrum24HR, LA4111, Type II Radio Card
Spectrum24HR, LA411T, Type II Radio Card
to which this declaration relates, is in conformity with the following standards and/or
other normative documents.
ETS 300 328 (November 1996)
ETS 300 826 (November 1997)
EN 60950: 1992 Incl. Amdt 1-4, 11

We hereby declare that all essential radio test suites have been carried out and that the above named products is in
conformity to all the essential requirements of Directive 1999/5/EC.
The conformity assessment procedure referred to in Article 10(5) and detailed in Annex IV of
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Dornu Narnor
(name)
Director, Regulatory and Technical Sales
(title)

(signature of authorised person) 3, May 2000
(date)
Quick Reference

Note: The following End-User License Agreement applies only to Windows CE versions of the PDT 7500 terminal.

END-USER LICENSE AGREEMENT FOR MICROSOFT SOFTWARE
MICROSOFT EXPORT SOFTWARE DEVELOPMENT KIT FOR WINDOWS CE VERSION 2.11 (Referred to as the "Microsoft Export SDK")

IMPORTANT-READ CAREFULLY: This Microsoft End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Microsoft Corporation for the Microsoft software product identified above, which includes computer software and may include associated media, printed materials, and "online" or electronic documentation ("SOFTWARE PRODUCT"). By installing, copying, or otherwise using the SOFTWARE PRODUCT, you agree to be bound by the terms of this EULA. If you do not agree to the terms of this EULA, do not install, copy or use the SOFTWARE PRODUCT.

SOFTWARE PRODUCT LICENSE

The SOFTWARE PRODUCT is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The SOFTWARE PRODUCT is licensed, not sold.

Introduction: The SOFTWARE PRODUCT was configured for you by a licensee of Microsoft Windows CE Platform Builder v. 2.11.

For purposes of this EULA, the licensee of Microsoft Windows CE Platform Builder v. 2.11 is referred to as the "Platform Developer". The SOFTWARE PRODUCT as delivered to you by the Platform Developer contains software and documentation from Microsoft Corporation and may also contain software and documentation from the Platform Developer. The software and documentation from the Platform Developer ("Platform Developer Components") and the terms under which you can use such software and documentation are set forth below in a separate end-user license agreement provided to you directly from the Platform Developer (the "Platform Developer EULA"). References to SOFTWARE PRODUCT in this EULA are for the Microsoft Export SDK and do not include Platform Developer Components.

The Microsoft Export SDK and the Platform Developer Components may only have been delivered to you in tandem with the Platform Developer’s product for Windows CE developed in accordance with the Microsoft Windows CE Platform Builder, version 2.11 ("Product for Windows CE"). If you received the Microsoft Export SDK under any other circumstances, you may not use the Microsoft Export SDK.

1. GRANT OF LICENSE. This EULA grants you the following limited, non-exclusive rights:
   a. SOFTWARE PRODUCT. You may install and use the enclosed SOFTWARE PRODUCT on a single computer for the sole purposes of developing and testing your software application for use with the Product for Windows CE with which the SOFTWARE PRODUCT was delivered ("Application for Windows CE").
   b. Sample Code. You may modify the sample source code located in \Windows CE Tools\WCE211\<SDK>\samples (where "SDK" is the name of the
P D T 7 5 0 0 S e r i e s

Platform Developer), ("Sample Code") to develop, and test your Application for Windows CE. You may also reproduce and distribute the Sample Code in object code form, along with any modifications you make to the Sample Code, provided that you comply with the Distribution Requirements described below. For purposes of this section, "modifications" shall mean enhancements to the functionality of the Sample Code.

c. Distribution Requirements. You may copy and redistribute the Sample Code and/or any modifications you make (collectively "REDISTRIBUTABLE COMPONENTS") as described above, provided that (a) you distribute the REDISTRIBUTABLE COMPONENTS only in conjunction with, and as a part of, your Application for Windows CE; (b) your Application for Windows CE adds significant and primary functionality to the REDISTRIBUTABLE COMPONENTS; (c) the REDISTRIBUTABLE COMPONENTS only operate in conjunction with Microsoft Windows CE; (d) you do not permit further redistribution of the REDISTRIBUTABLE COMPONENTS by your end-user customers; (e) you do not use Microsoft's name, logo, or trademarks to market your Application for Windows CE; (f) you include a valid copyright notice on your Application for Windows CE; and (g) you hereby agree to indemnify, hold harmless, and defend Microsoft from and against any claims or lawsuits, including attorneys' fees, that arise or result from the use or distribution of your Application for Windows CE. Contact Microsoft for the applicable royalties due and other licensing terms for all other uses and/or distribution of the REDISTRIBUTABLE COMPONENTS.

d. Microsoft reserves all rights not expressly granted to you.

2. COPYRIGHT. All title, including but not limited to copyrights, in and to the SOFTWARE PRODUCT and any copies thereof are owned by Microsoft or its suppliers. All title and intellectual property rights in and to the content which may be accessed through use of the SOFTWARE PRODUCT is the property of the respective content owner and may be protected by applicable copyright or other intellectual property laws and treaties. This EULA grants you no rights to use such content. All rights not expressly granted are reserved by Microsoft. Therefore, you must treat the SOFTWARE PRODUCT like any other copyrighted material, except that you may either (a) make one copy of the SOFTWARE PRODUCT solely for backup or archival purposes, or (b) install the SOFTWARE PRODUCT on a single computer, provided you keep the original solely for backup or archival purposes. You may not copy the printed materials accompanying the SOFTWARE PRODUCT.

3. DESCRIPTION OF OTHER RIGHTS AND LIMITATIONS.

a. Limitations on Reverse-Engineering, Decompilation, and Disassembly. You may not reverse-engineer, decompile, or disassemble the SOFTWARE PRODUCT, except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation.

b. No Support. Microsoft does not provide support for the SOFTWARE PRODUCT. Support, in any, may be available from the Platform Developer.

c. Rental. You may not rent, lease or lend the SOFTWARE PRODUCT.
Quick Reference

d. Software Transfer. You may not transfer any of your rights under this EULA.

e. Termination. Without prejudice to any other rights, Microsoft may terminate this EULA if you fail to comply with the terms and conditions of this EULA. In such event, you must destroy all copies of the SOFTWARE PRODUCT and all of its component parts.

4. EXPORT RESTRICTIONS. You agree that you will not export or re-export the SOFTWARE PRODUCT, any part thereof, or any process or service that is the direct product of the SOFTWARE PRODUCT (the foregoing collectively referred to as the "Restricted Components"), to any country, person or entity subject to U.S. export restrictions. You specifically agree not to export or re-export any of the Restricted Components (i) to any country to which the U.S. has embargoed or restricted the export of goods or services, which currently include, but are not necessarily limited to Cuba, Iran, Iraq, Libya, North Korea, Sudan and Syria, or to any national of any such country, wherever located, who intends to transmit or transport the Restricted Components back to such country; (ii) to any entity who you know or have reason to know will utilize the Restricted Components in the design, development or production of nuclear, chemical or biological weapons; or (iii) to any entity who you know or have reason to know has been prohibited from participating in U.S. export transactions by any federal agency of the U.S. government. You warrant and represent that neither the BXA nor any other U.S. federal agency has suspended, revoked or denied your export privileges.

5. U.S. GOVERNMENT RIGHTS. All SOFTWARE PRODUCT provided to the U.S. Government pursuant to solicitations issued on or after December 1, 1995 is provided with the commercial rights and restrictions described elsewhere herein. All SOFTWARE PRODUCT provided to the U.S. Government pursuant to solicitations issued prior to December 1, 1995 is provided with RESTRICTED RIGHTS as provided for in FAR, 48 CFR 52.227-14 (JUNE 1987) or FAR, 48 CFR 252.227-7013 (OCT 1988), as applicable.

MISCELLANEOUS

If you acquired this product in the United States, this EULA is governed by the laws of the State of Washington.

If you acquired this product in Canada, this EULA is governed by the laws of the Province of Ontario, Canada. Each of the parties hereto irrevocably attorns to the jurisdiction of the courts of the Province of Ontario and further agrees to commence any litigation that may arise hereunder in the courts located in the judicial District of York, Province of Ontario.

If this product was acquired outside the United States, local law may apply.

NO WARRANTIES. Microsoft expressly disclaims any warranty for the SOFTWARE PRODUCT. The SOFTWARE PRODUCT and any related documentation is provided "as is" without warranty or condition of any kind, either express or implied, including, without limitation, the implied warranties or conditions of merchantability, fitness for a particular purpose, or non infringement. The entire risk arising out of use or performance of the SOFTWARE PRODUCT remains with you.
NO LIABILITY FOR DAMAGES. In no event shall Microsoft or its suppliers be liable for any damages whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information, or any other pecuniary loss) arising out of the use of or inability to use this Microsoft product, even if Microsoft has been advised of the possibility of such damages. Because some states/jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitation may not apply to you.

Si vous avez acquis votre produit Microsoft au CANADA, la garantie limitée suivante vous concerne:

**GARANTIE LIMITÉE**

EXCLUSION DE GARANTIES. Microsoft renonce entièrement à toute garantie pour le LOGICIEL. Le LOGICIEL et toute autre documentation s’y rapportant sont fournis « comme tels » sans aucune garantie quelle qu’elle soit, expresse ou implicite, y compris, mais ne se limitant pas aux garanties implicites de la qualité marchande, d’adaptation à un usage particulier ou d’absence de violation des droits des tiers. Le risque total découlant de l’utilisation ou de la performance du LOGICIEL est entre vos mains.

ABSENCE DE RESPONSABILITÉ POUR LES DOMMAGES. Microsoft ou ses fournisseurs ne pourront être tenus responsables en aucune circonstance de tout dommage quel qu’il soit (y compris mais non de façon limitative les dommages directs ou indirects causés par la perte de bénéfices commerciaux, l’interruption des affaires, la perte d’information commerciale ou toute autre perte pécuniaire) résultant de l’utilisation ou de l’impossibilité d’utilisation de ce produit, et ce, même si la société Microsoft a été avisée de l’éventualité de tels dommages. Parce que certains états/jurisdictions ne permettent pas l’exclusion ou la limitation de responsabilité relative aux dommages indirects ou consécutifs, la limitation ci-dessus peut ne pas s’appliquer à votre égard.

La présente Convention est régie par les lois de la province d’Ontario, Canada. Chacune des parties à la présente reconnaît irrévocablement la compétence des tribunaux de la province d’Ontario et consent à instituer tout litige qui pourrait découler de la présente auprès des tribunaux situés dans le district judiciaire de York, province d’Ontario.
Quick Reference

Warranty
Symbol Technologies, Inc. ("Symbol") manufactures its hardware products in accordance with industry-standard practices. Symbol warrants that for a period of twelve (12) months from date of shipment, products will be free from defects in materials and workmanship.

This warranty is provided to the original owner only and is not transferable to any third party. It shall not apply to any product (i) which has been repaired or altered unless done or approved by Symbol, (ii) which has not been maintained in accordance with any operating or handling instructions supplied by Symbol, (iii) which has been subjected to unusual physical or electrical stress, misuse, abuse, power shortage, negligence or accident or (iv) which has been used other than in accordance with the product operating and handling instructions. Preventive maintenance is the responsibility of customer and is not covered under this warranty.

Wear items and accessories having a Symbol serial number, will carry a 90-day limited warranty. Nonserialized items will carry a 30-day limited warranty.

Warranty Coverage and Procedure
During the warranty period, Symbol will repair or replace defective products returned to Symbol’s manufacturing plant in the US. For warranty service in North America, call the Symbol Support Center at 1-800-653-5350. International customers should contact the local Symbol office or support center. If warranty service is required, Symbol will issue a Return Material Authorization Number. Products must be shipped in the original or comparable packaging, shipping and insurance charges prepaid. Symbol will ship the repaired or replacement product freight and insurance prepaid in North America. Shipments from the US or other locations will be made F.O.B. Symbol's manufacturing plant.

Symbol will use new or refurbished parts at its discretion and will own all parts removed from repaired products. Customer will pay for the replacement product in case it does not return the replaced product to Symbol within 3 days of receipt of the replacement product. The process for return and customer’s charges will be in accordance with Symbol’s Exchange Policy in effect at the time of the exchange.

Customer accepts full responsibility for its software and data including the appropriate backup thereof.

Repair or replacement of a product during warranty will not extend the original warranty term. Symbol’s Customer Service organization offers an array of service plans, such as on-site, depot, or phone support, that can be implemented to meet customer’s special operational requirements and are available at a substantial discount during warranty period.

General
Except for the warranties stated above, Symbol disclaims all warranties, express or implied, on products furnished hereunder, including without limitation implied warranties of merchantability and fitness for a particular purpose. The stated express warranties are in lieu of all obligations or liabilities on part of Symbol for damages, including without limitation, special, indirect, or consequential damages arising out of or in connection with the use or performance of the product.

Seller’s liability for damages to buyer or others resulting from the use of any product, shall in no way exceed the purchase price of said product, except in instances of injury to persons or property. Some states (or jurisdictions) do not allow the exclusion or limitation of incidental or consequential damages, so the preceding exclusion or limitation may not apply to you.

Except for the warranties stated above, Symbol disclaims all warranties, express or implied, on products furnished hereunder, including without limitation implied warranties of merchantability and fitness for a particular purpose. The stated express warranties are in lieu of all obligations or liabilities on part of Symbol for damages, including without limitation, special, indirect, or consequential damages arising out of or in connection with the use or performance of the product. Symbol’s liability for damages to buyer or others resulting from the use of any product, shall in no way exceed the purchase price of said product, except in instances of injury to persons or property. Some states (or jurisdictions) do not allow the exclusion or limitation of incidental or consequential damages, so the preceding exclusion or limitation may not apply to you.

This product is marked with in accordance with the Class II product requirements specified in the R&TTE Directive, 1999/5/EC.

The equipment is intended for use throughout the European Community, but its authorization for use in France is restricted as follows:
- PAN European Frequency Range: 2.402 - 2.480 GHz
- Restricted Frequency Range for use in France: 2.448 - 2.480 GHz
Service Information

Before you use the unit, it must be configured to operate in your facility's network and run your applications.

If you have a problem running your unit or using your equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Symbol Support Center:

<table>
<thead>
<tr>
<th>United States</th>
<th>1-800-653-5350</th>
<th>Canada</th>
<th>905-629-7226</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>8000 328 2424</td>
<td>Asia/Pacific</td>
<td>337-6588</td>
</tr>
<tr>
<td>Australia</td>
<td>1-800-672-906</td>
<td>Austria</td>
<td>1-505-5794</td>
</tr>
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<td>Denmark</td>
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<tr>
<td>Latin America Sales Support</td>
<td>1-800-347-0178 Inside US</td>
<td>+1-561-483-1275 Outside US</td>
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<tr>
<td>Europe/Mid-East Distributor Operations</td>
<td>Contact local distributor or call</td>
<td>+44 208 945 7360</td>
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