Flexibility that Works Inside and Outside the Enterprise

The Phaser P370 and P470 cordless RF bar code scanners from Symbol Technologies are rugged, high-performance wireless devices that enable instant decision-making and seamless communications throughout the enterprise.

Designed with a comfortable forward-scanning pistol grip to minimize fatigue in scan-intensive applications, the P370 and P470 scanners are available in keypad or keyless configurations.

<table>
<thead>
<tr>
<th>Market</th>
<th>Applications</th>
<th>User</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturing/</td>
<td>Loading dock</td>
<td>Shipping and receiving clerks</td>
</tr>
<tr>
<td>Industrial</td>
<td>Factory floor</td>
<td>Assembly and line personnel</td>
</tr>
<tr>
<td></td>
<td>Warehouse</td>
<td>Forklift operators</td>
</tr>
<tr>
<td>Retail</td>
<td>Point-of-sale scanning</td>
<td>Cashiers</td>
</tr>
<tr>
<td></td>
<td>Inventory counts</td>
<td>Clerks</td>
</tr>
<tr>
<td></td>
<td>Price verification</td>
<td>Cashiers</td>
</tr>
</tbody>
</table>

Easy System Integration and Programmable Architecture

The P370 and P470 offer easy system integration along with a programmable architecture that extends functionality beyond basic bar code scanners. For fast integration, both the P370 and P470 support the 123Scan setup utility software, a convenient Microsoft® Windows®-based program that helps reduce your start-up time and costs for these scanners. This free utility enables you to configure communication settings and enable/disable symbologies. It also assists you in generating advanced data formatting (ADF) rules to allow bar code data to be modified by the scanner before it is sent to the host application. The P370 and P470 scanners can be programmed via PC download or by scanning bar codes generated by the utility.

For added versatility, you can also purchase MCL™-Designer software, a programmable architecture that extends scanner functionality. Even non-programmers can develop custom data management applications to harness the on-board computing power of these scanners. Further, MCL-Link communication software easily connects the P370 and P470 to your host. Capabilities include ODBC database connectivity plus the automation of frequent tasks such as nightly data downloads and look-up file updates.

Proven Performance and Affordability

With the Phaser P370 and P470 cordless RF bar code scanners, you can choose the device that best meets your application needs in any environment. The P370 is suited for extreme environments, making it ideal for warehouse, yard or loading dock applications. And the P470 delivers the identical data capture functionality for in-store uses including stockroom tasks and oversized item checkout. Both scanners deliver the proven performance and affordability that customers have grown to expect from Symbol.

For more information, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the web at: www.symbol.com/phaser
P370 and P470 Specification Highlights

### Physical Characteristics

**Dimensions:** 7.0 in. H x 9.2 in. W x 3.5 in. D/17.8 cm H x 23.1 cm W x 9.0 cm D  
**Weight:** 12 oz./336 gm  
**Color:** P370: Yellow body with dark gray keypad  
P470: Cash register white body with light gray keypad  
**Keypad:** 17-key keypad; single stroke numeric and shifted alpha; user-programmable function keys  
**Display:** 2-line x 20-character; view long lists/menus using scroll keys with MCL application  
**Battery:** 1100 mAh Lithium-ion battery charged via the cradle  
**Battery Charge Time:** Fully charged (100%) in approximately 3.5 hours  

### Performance Characteristics

**Light Source:** 650 nm visible laser diode  
**Scan Rate:** 35 ± 5 scans per second (bi-directional)  
**Nominal Working Distance:** See Decode Zones  
**Print Contrast Minimum:** P370: 20% minimum reflectance  
P370ALR: 40% absolute dark/light reflectance at 650 nm  
**Interfaces Supported:** RS-232, MCL-Link Lite or Symbol Synapse cables (Keyboard wedge, USB, OCIA, Dual RS-232, etc.)  

### User Environment

**Operating Temperature:** P370: -4°F to 122°F/-20°C to 50°C  
P470: 32°F to 104°F/0°C to 40°C  
**Storage Temperature:** -40°F to 158°F/-40°C to 70°C  
**Humidity:** 5% to 95% noncondensing  
**Drop Specifications:** P370: Multiple 6 ft./1.8 m drops to concrete over entire temperature range  
P470: Multiple 5 ft./1.5 m drops to concrete over entire temperature range  
**Environmental Sealing:** P370: All components sealed to IP54 against windblown rain and dust  
**Ambient Light Immunity:** P370/470: Sunlight: 10,000 ft. candles/107,644 LUX  
Artificial light: 450 ft. candles/4,844 LUX  
P370ALR: Sunlight: 4,000 ft-candles/43,056 LUX  
Artificial: 450 ft-candles/4,844 LUX  

### Applications

**Default Application (Preloaded):** Transmit scanned or keyed in alpha-numeric data; key in quantity to eliminate repetitive bar code scanning  
**MCL-Designer (Optional):** Windows-based application development software for creation of customized P370/P470/P360/P460 scanner applications  
**MCL-Link (Optional):** Communications software used with MCL-Designer-generated applications enables seamless connection to host application for task automation, ODBC connectivity, real time text messaging, built-in CRC error detection and more  

### Radio Specifications

**Radio Range:** Up to 100 ft./30 m without a direct line of sight coexists with Spectrum24® systems  
**Frequency:** 2.4 GHz point-to-point narrow band, 82 user-selectable channels  
**Radio Output:** <10 mW  
**Base Station:** PL370 Dark Gray; PL470 Light Gray  
**Dimensions:** 3.5 in. H x 9.5 in. L x 4 in. W / 8.9 cm H x 24.1 cm L x 10.2 cm W  
**Power:** Operates from a separate 9V power supply 1.2A  
**Cables:** RS-232 or Symbol Synapse cables  
**Regulatory:**  
- **Electrical Safety:** Certification to UL1950, CSA C22.2 No. 950, EN60950/IEC950  
- **Laser Safety:** CDRH Class II, IEC Class 2  
- **EMI/RFI:** FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directive, Australian SMA  

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For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Business Partner.

### Specifications

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