

# DC600 RFID Portal System

## RFID READER SYSTEMS

### Quickly implement RFID technology at key transit points

Symbol's DC600 is a compact, packaged radio frequency identification (RFID) portal system designed to enable the rapid deployment of proven and reliable RFID technology at your dock doors and doorways. It lets you capture bulk data from a large number of tagged items as they quickly pass by. With the DC600 in place, you'll be able to track RFID-tagged assets, products and cargo as they enter and leave your facilities and storage areas and move throughout your supply chain.

### Benefit from a proven, turnkey portal system

The DC600 offers a light footprint, flexible installation and multiple configuration options, allowing you to use it in a number of environments. The pre-assembled, tuned and tested system lets you deploy your RFID portal quickly, enabling you to execute standard, repeatable installations that reduce deployment costs and your total cost of ownership.

The DC600 provides all the components you need to quickly establish read zones at doorways, including a powerful RFID reader, high-performance antenna, integrated electronics module and cabling, all consolidated in a durable housing designed to simplify installation, reduce maintenance costs and improve reliability. With three models to choose from, you're able to find the right one for your environment — select the dual configuration for use between entryways, the single option for individual entryways or for deployment as an end unit, or the slim configuration for flush-wall mounting.

### Track and manage assets as they move through your supply chain

A scalable system designed to support a number of your enterprise needs, the DC600 delivers increased asset visibility and reduced supply chain shrinkage when tracking inventory in motion. Use the RFID portal to capture information about your products as they enter and leave your warehouse, distribution center, retail store, airport or any other transit area. Transmit this data to warehousing and inventory management applications for real-time inventory status. Or integrate it with your point-of-sale (POS) systems to track low-stock items and efficiently direct high-value, shorter shelf-life or promotional items.

### Accurately capture and transmit tag data

With the DC600 in place, you'll be able to capture all RFID tag information passing through your read zones. It offers next-generation, multi-protocol RFID reader technology to provide simultaneous support for both Generation (Gen) 2 and all classes of Gen 1. In addition, the portal includes Symbol's next-generation RFID reader to ensure accurate data capture and long read ranges even in large-scale, dense-reader environments.



#### FEATURES

##### Turnkey, ready-to use system

##### Incorporated second-generation, multi-protocol RFID reader

##### Light footprint and slim-frame configuration

##### Remote management tools

##### Rugged construction

##### Integrated, easy-to-replace electronics module

##### Real-time exception notification and handling through alerts and alarms

#### BENEFITS

Provides quick and easy installation in a plug-and-play package to reduce deployment costs and lower total cost of ownership

Delivers high-performance RFID data capture and communication capabilities and future-proofs your investment

Enables deployment in store fronts, back rooms and smaller distribution centers, yet is also ideal for larger, industrial warehouse environments

Allows for cost-effective, system-wide integration and management of RFID solutions

Maximizes uptime while reducing maintenance and repair costs

Cuts maintenance costs and enables easy installation and troubleshooting

Enables automatic, edge business processing and decision making

## Make immediate decisions using real-time information

The DC600 also offers real-time alerting and alarms, which let you react to and even automate your response to data as it's captured, enabling you to respond more quickly to business demands. With a mature and well-supported application programming interface (API), the DC600 allows for easy integration with existing back-end information systems. So whether you need to automatically route high-demand items to priority retail locations, or require immediate information on incomplete or incorrect shipments, the DC600 will be able to support and notify you in real time.

## Stay operational with a full suite of services and support

At Symbol, we help you get the most from RFID by offering the services you need to successfully incorporate RFID technology into your environment. Our Professional Services form the foundation of a successful RFID solution with a complete suite of services from planning and assessment through implementation, while our Customer Services help ensure ongoing continuity of operations by delivering management and maintenance support once your solution is implemented.

For more information about the DC600, please visit us on the Web at [www.symbol.com/dc600](http://www.symbol.com/dc600) or contact us at +1.800.722.6234 or +1.631.738.2400.

## DC600 specification highlights

### Physical characteristics

|            |   |
|------------|---|
| Dimensions | Dual and single:<br>Frame: 14.93" W x 8.84" D x 76.66" H (37.92 cm W x 22.45 cm D x 194.7 cm H)<br>(with Cable Entry Module)<br>Base: 21" W x 10.87" D x 2" H (53.34 cm W x 27.6 cm D x 5.08 cm H)<br>Slim single:<br>Frame: 14.43" W x 4.71" D x 75.76" H (36.65 cm W x 11.96 cm D x 192.43 cm H)<br>(with Cable Entry Module)<br>Base: 17.25" W x 4.75" D x 1.13" H (43.8 cm W x 12 cm D x 2.87 cm H) |
| Weight     | Dual: 112 lbs. (50.8 kg)<br>Single: 100 lbs. (45.36 kg)<br>Slim single: 71 lbs. (32.2 kg)   |

### Electrical

|                     |                                      |
|---------------------|--------------------------------------|
| Maximum power input | 100-240 volts AC, 50/60 Hz, 2.6 amps |
|---------------------|--------------------------------------|

### Connectivity

|               |   |      |
|---------------|---|------|
| Network       | 10/100 BaseT Ethernet                               | RJ45 |
| Devices       | Control I/O port (12)                               | DB15 |
|               | RS232 Serial Console                                | DB9  |
|               | USB Host Hardware                                   | USB  |
| Read points   | 4 Read Points (4 transmit points, 4 receive points) |      |
| RF Connectors | Reverse TNC   |      |

### Compliance

|            |  |
|------------|--|
| Safety     | UL 60950-1/CSA 60950-1 and IEC60950-1 CB |
| Regulatory | FCC Part 15 US / IC RSS210               |

### Hardware OS and firmware management

|                          |   |
|--------------------------|---|
| Memory                   | Flash 64 MB; DRAM 64 MB   |
| Operating system         | Win® CE (Version 4.2.0)   |
| Firmware upgrade         | Web-based and remote firmware upgrade capabilities                    |
| Frequency                | UHF band, 902-928 MHz US  |
| Method                   | Frequency Hopping Spread Spectrum (FHSS)                              |
| Power output             | 4W EIRP   |
| Tag Protocol             | EPC™ Gen 1 (Class 0 read only, Class 0 read/write, Class 1) and Gen 2 |
| Synchronization          | Network Time Protocol   |
| IP addressing            | Static and dynamic  |
| Host interface protocols | XML and Byte Stream   |

### Environmental

|                             |                              |
|-----------------------------|------------------------------|
| Humidity                    | 5-95% RH                     |
| Operating temperature range | -20° to 50°C (-4° to 122°F)  |
| Storage temperature range   | -40° to 80°C (-40° to 176°F) |

### Warranty

The DC600 is warranted against defects in workmanship and materials for a period of one year (12 months) from date of shipment, provided the product remains unmodified and is operated under normal and proper conditions.

NOTICE: Repairs of this product may require the use of Symbol proprietary parts (and/or Symbol proprietary information). Symbol will sell these parts (and provide this proprietary information) only to end-user customers for self-service. It is Symbol's policy not to sell these parts to third-party service providers and not to allow a third-party service provider to act as an ordering or receiving agent for the parts necessary to repair this product. Applicable in the U.S. For all other countries, please contact your Symbol account manager or the local Symbol Customer Service representative in your area for further details.

## About Symbol Technologies

Symbol Technologies, Inc., The Enterprise Mobility Company™, is a recognized worldwide leader in enterprise mobility, delivering products and solutions that capture, move and manage information in real time to and from the point of business activity. Symbol enterprise mobility solutions integrate advanced data capture products, radio frequency identification technology, mobile computing platforms, wireless infrastructure, mobility software and world-class services programs under the Symbol Enterprise Mobility Services brand. Symbol enterprise mobility products and solutions are proven to increase workforce productivity, reduce operating costs, drive operational efficiencies and realize competitive advantages for the world's leading companies. More information is available at [www.symbol.com](http://www.symbol.com)

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### Symbol Web site

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