



VRC 6900 Vehicle Radio Computer Series



Rugged Vehicle-Mount Computer Thrives in Industrial Extremes

The heavy duty VRC 6900 Vehicle Radio Computer Series from Symbol Technologies is precision-engineered to withstand extreme temperatures and the harshest industrial environments.

Symbol VRC 6900 Series computers mount directly to forklift trucks, enabling operators to wirelessly collect and transmit data to the host from the factory or warehouse floor. These truck-mounted computers facilitate real-time management of material, work-in-process and finished goods. Productivity increases because operators receive the latest work instructions and information updates without leaving the truck.

Stands Up to Tough Environments

The VRC 6900 Series is built for rugged use under the most trying industrial conditions. The sturdy, ergonomically-rounded magnesium housing weighs just 6.75 lb/3 kg. It meets tough IP65 and NEMA4 standards for protection against the

elements on loading docks and in warehouse yards. Durable construction, built to rigid SAE J1455 and MIL-STD 810E vibration standards, protects the unit from random bangs and shocks. A VRC 6900 operates reliably in extreme temperatures ranging from -22°F/-30°C to 122°F/50°C.

The VRC 6900 computer mounts easily to the forklift and plugs directly into the fork lift battery, eliminating the need for an additional power supply. The scanner, power and RS-232 communication ports all use industrial-grade connectors and Symbol's thoughtful design equips the computer for input voltages ranging from 12 to 60 VDC, or 12 to 24V automotive.

Communicates Without Wires

The efficiency of cost-effective wireless networking is integral to the VRC 6900. The computer supports Symbol Spectrum24® open architecture wireless networking technology, designed to comply with the IEEE 802.11 standard for airwave communications.

For the utmost in flexible data-management, Symbol hand-held bar code scanners and printers plug directly into the VRC 6900. Symbol offers a broad line of ruggedized industrial scanners that read one- and two-dimensional bar codes, capture data in dim light and on high warehouse shelves, even from poorly printed or damaged bar codes.

Large Application Base

The VRC 6900 has a large, fluorescent 8-line x 40-character display that is easy to view in the dim light of a warehouse,

factory or loading dock. The alphanumeric keyboard has oversized keys so workers don't have to remove gloves for accurate operation. Because the VRC 6900 builds on the heritage of Symbol's existing Series 3000 terminals, a wide range of application software is readily available. The DOS-based operating environment permits easy software application development. For added flexibility, Symbol also offers IBM 3270/5250 and VT 100/220 terminal emulation.

Your Symbol for Extreme Environments

The VRC 6900 Series offers rugged computers for extreme environments. They could only come from Symbol Technologies, the company that combines innovative products with industry systems expertise to provide the industry's leading transportation and logistic solutions.

To find out how your company's workforce can be more productive using the VRC 6900 Series, contact any of the convenient locations listed on the back panel or visit us at www.symbol.com

VRC 6900 Vehicle Radio Computer Features and Benefits

Features	Benefits
Housing meets IP65 and NEMA4 sealing standards	Collect data and communicate instructions to workers even in extreme environments such as on loading docks, in docking yards and other outdoor work areas
Computer withstands bangs and shocks and works smoothly in extreme temperatures.	New flexibility to manage data from the point of activity even in the harshest industrial environments
Wireless networking via Symbol Spectrum24 high-performance IEEE 802.11-based system	Seamless connectivity to Ethernet networks to access Enterprise Resource Planning systems to support efficient supply chain management
Symbol bar code scanners plug in	Select the Symbol tool that best fits the data-management task
Builds on the heritage of Symbol's existing Series 3000 terminals	Wide range of existing applications available

VRC 6900 Radio Computer Specification Highlights

Physical and Environmental Characteristics	
Dimensions w/Laser (LxWxD)	12 in. x 9 in. x 3 in. / 310 mm x 234 mm x 81 mm
Weight: RF w/o Bar Code Scanner	6.75 lbs/3 kg
Power Requirements:	12 - 60 VDC / AC power supply
Backup Battery:	NiMH batteries
Display Size:	8 line x 40 character; Vacuum Fluorescent backlit
Keypad:	54 key
Environmental Sealing:	IP65 and NEMA4
Vibration:	SAE J1455
Operating Temperature w/heater:	-22° to 122° F / -30° to 50°C
Storage Temperature:	-40° to 140° F / -40° to 60°C
Humidity:	0% to 95%, non-condensing
RF Data Communications	
Network:	Spectrum24® FH; Spectrum One®
Frequency Range:	Spectrum24 2.4 GHz; Spectrum One 902-928 MHz
Radio Module:	Internal PCMCIA
Terminal Emulation:	3270, 5250, VT100, VT220
Performance Characteristics	
Operating System:	DR-DOS
Microprocessor:	80C88 type @ 8MHz
Architecture:	16 Bit
System Memory:	RAM: 640KB; FLASH: 256K (Spectrum One), 1.2MB (Spectrum24)
Data Communication:	RS-232, Serial Port
Vibration Specification:	MIL-STD-810E; SAEJ1455
Programming Tool:	16 Bit Application Developer's Toolkit

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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.



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