



MC90XX Forklift Cradle



FEATURES

Rugged design for the harsh environment of the forklift

Built to handle 14 GRMS of random vibration and 30 G's of shock; industrial charging contacts enable over 100,000 insertions and removals of an MC90XX Series Mobile Computer

Select the MC90XX Series model that is right for your environment and application

Compatibility with multiple MC90X0-G and MC90XX-K models; choose the right integrated scan engine — long range or standard range laser or 2D imager; WLAN, WWAN and Bluetooth radios; keyboard options — 28-, 43- and 53-key keypads plus Terminal Emulation

Locking mechanism

Further secures MC90XX mobile computers to protect against theft

Expand the value of your Motorola MC90XX Mobile Computers

Get the flexibility to utilize Motorola's MC90XX Series mobile computers in forklifts and more with the MC90XX Forklift Cradle. The cradle provides the military grade vibration and shock specifications required to ensure reliable operation in material handling equipment (MHE), extending the productivity and error-reducing benefits of mobile voice and data to your forklift and other heavy equipment operators. This size-optimized forklift mobile computing solution is ideal for any style of forklift, especially when space is at a premium. The ability to easily remove the MC90XX Series mobile computer from the cradle provides the best of both worlds — workers can use the device as needed, in handheld or vehicle-mounted mode. An optional power converter enables the forklift to power the cradle, eliminating the need to charge and manage spare batteries — the forklift cradle can power and charge the docked MC90XX Series mobile computer and any peripherals tethered to the cradle's communication ports. Maximize the return on investment for your Motorola MC90XX Series devices — with the MC90XX Forklift Cradle.

A complete solution

This flexible solution allows the easy integration of corded or wireless peripherals via either the USB or RS232 port on the cradle or via the Bluetooth functionality of the MC90XX Series mobile computer.

The ability to tether a bar code scanner to the cradle allows enterprises to further error-proof processes and improve operator productivity in scan intensive environments. The addition of a printer enables for on-the-spot printing of damaged bar code labels, packing slips and more, eliminating the need for workers to leave the forklift to travel to a printer. And headsets can enable voice picking as well as voice communications with supervisors and other workers.

Robust scanning support

This forklift-mount solution offers support for occasional as well as scan-intensive environments. For occasional bar code scanning, the quick-release latch enables workers to remove the MC90XX Series mobile computer from the cradle and scan as needed, eliminating the need to purchase, maintain and manage a separate bar code scanner — reducing the cost of your mobility solution. For applications that require frequent scanning, you can continue to utilize the integrated scanner in the MC90XX Series Mobile Computer, connect a corded scanner to the cradle via the USB and RS232 port, or pair a cordless scanner directly to the MC90XX Series mobile device via Bluetooth for cable free convenience and safety. Regardless of what combination of symbologies you need to capture — 1D, 2D or direct part marks — there is a Motorola scanning solution designed to meet your needs. Available scanner features that are ideal for warehouse environments include: extended range scanners, which can accurately

SPECIFICATION SHEET

MC90XX Forklift Cradle

Optional power converter supports 9-30VDC low voltage and 18-75VDC high voltage forklifts

Works with virtually all forklifts; provides power and ensures full shift availability, eliminates the need for desktop cradles and spare batteries for the MC90XX Series mobile computers

Powered and rugged USB and RS232 ports

Equipped with amphenol connectors designed for the harsh warehouse environment; provides reliable connection and power for a wide variety of peripherals, including bar code scanners and wired printers — with or without the use of a DC-DC power converter

Maximizes functionality and flexibility of MC90XX Series devices

Provides full access to display and keyboard when docked in the cradle; easy removal of mobile device from cradle for handheld use

Easy access to MC90XX mobile computer audio jack

Allows addition of headset to support voice picking

capture bar codes as far as 45 feet/13.71 m; easy omnidirectional scanning, which eliminates the need for workers to align bar code and scanner; and fuzzy logic, which enables accurate reading of the damaged and dirty label commonly found in warehouse and manufacturing environments.

Improve warehouse operations... and customer service

Real-time access to the right business data allows your MHE operators to improve productivity and reduce errors throughout all your warehouse processes — from receiving and put-away to picking, replenishment and shipping. Warehouse throughput and customer service are improved. The ability to scan materials prior to put-away ensures that inventory is always in the right place at the right time, available when needed to fill orders and replenish the production line on a timely basis — and instantly visible in your business system. Your operators can verify that the right items are selected for the right orders, and shipped to the right address — reducing costly mis-ships and enabling faster and more accurate order fulfillment.

Improve staff utilization

The increase in productivity in the warehouse leads to better utilization of staff. The same number of workers can execute more tasks per shift with greater accuracy. The increase in capacity improves business agility — the enterprise is now positioned to better handle peaks in demand without necessarily requiring additional workers.

Rapid return on investment

The many benefits of extending the right business information to your equipment operators provide a rapid return on investment for this low-cost forklift mobile computing solution. Customers receive shipments as promised — the right items at the right time. Customer satisfaction and retention levels are improved, increasing sales. The ability to use a single mobile computer to support workers on foot and in warehouse vehicles improves utilization of the MC90XX Series mobile computers. And the ability to standardize on one device in warehouse and manufacturing plants simplifies and reduces the cost of your mobility architecture — there are fewer device types to purchase and support.

Give your workers the safety of a fixed mount solution and the convenience of a handheld

device with the MC90XX Forklift Cradle. For more information on how the MC90XX Forklift Cradle can help improve the efficiency of your warehouse and unlock the value of your Motorola MC90XX mobile computers, please visit us on the Web at www.motorola.com/forkliftsolution or access our global contact directory at www.motorola.com/enterprisemobility/contactus

MC90XX Forklift Cradle Specifications

Physical Characteristics

Dimensions:	12.52 in. L x 6.10 in. W x 7.52 in. H 318 mm L x 155 mm W x 191 mm H
Weight:	5.5 lbs./2.6 kg
Power Supply:	High volt configuration: 18v - 75v Low volt configuration: 9-30v
Powered Communication Ports:	USB and RS232; RS232 port stays powered without presence of power converter when MC90XX is docked

User Environment

Shock Specification:	30 G's of shock, 35,000 shocks
Vibration Specification:	MIL STD 810F Method 514, Procedure I; 14 GRMS random vibration
Operating Temp.:	-4°F to +122°F/-20°C to +50°C
Storage Temp.:	-40°F to +158°F/-40°C to +70°C
Battery Charging Temperature:	32°F to +104°F/0° to 40°C
Humidity:	5% to 95% non-condensing
Insertions/Removal Specification:	100,000 insertions and removals of the MC90XX into the Forklift Cradle
Electrostatic Discharge:	±15kV air discharge, ±8kV direct discharge
Power Converter Sealing:	IP66

Support for Tethered Peripherals

Supported Motorola Handheld Scanners:	Supports Motorola's Handheld scanner product suite
3rd Party Printers:	Printing support to include Monarch, Comtec, Zebra, Eltron and O'Neil printers

Regulatory

Electrical Safety:	Certified to UL/c-UL 60950-1, IEC/EN60950-1
EMI/RFI:	North America: FCC Part 15, ICES 003 Class B
EU:	EN55022 Class B, EN55024
Japan:	VCCI Class B



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