Blackbay

Empowering Mobile Workers

Mobile Hardware
Catalogue 2006

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Contents

Blackbay Ltd. designs and develops vehicle cradles and accessories that meet a range of market requirements. This catalogue provides an overview of these cradles and accessories for transport and logistics use, however if your requirement is more specific we can offer a customised option. Contact Blackbay for further information.

The mounting systems offered are designed for dynamic mounted applications but are not intended to be used in excess of reasonable load limits

Please note that some items may vary slightly from the pictures shown. Pricing if provided is subject to change and can be confirmed at the time of enquiry.

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Products

Charging Cradles	Description

VMC2400

The VMC2000 is the new range of cradles with built in battery charger for Symbol™ devices from Blackbay. Featured here is the VMC2400 fitted with a Short Arm mount (SA1). The Symbol MC9000S is the PDA device pictured.

The system uses a carrier plate attached to the PDA so that the device can easily be transferred from cradle to a belt clip.

- Supports MC9000S PDA
- One handed insert/release
- Small form factor
- Adjustable in any direction for viewing
- Built in charger, and pass through communications for serial port and USB interface
- Modular design for mounting and electronics modules
- Platform migration path across Symbol devices

VMC2300

The VMC2000 range allows retro fit upgrades from older devices. Featured here is the VMC2300 fitted with a Short Arm mount (SA1) and rubber cup to allow conformance to curved surfaces such as dash boards. PDA device shown is the Symbol SPT1800.

- Supports SPT1700, SPT1800, PPT2700, and PPT2800
- One handed insert/release
- Small form factor
- Adjustable in any direction for viewing
- Built in charger, pass through communications for serial port
- Modular design for mounting and electronics modules
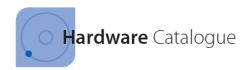- Platform migration path across Symbol devices

VMC2200

The VMC2300 and VMC2200 are interchangeable and allow for the slightly thicker dimensions of the PPT devices as well as the GSM antenna. PDA device shown is the Symbol PPT2837. The communication interface is configured for Windows CE® devices as opposed to the VMC2300 which is configured for PalmOS® devices.

- PPT2837 PDAs, compatible with VMC2300.
- One handed insert/release
- Small form factor
- Adjustable in any direction for viewing
- Built in charger, pass through communications for serial port
- Modular design for mounting and electronics modules
- Platform migration path across Symbol devices

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VMC2100

Featured here is the VMC2100 fitted with a Short Arm mount (SA1). Shown here with the PPT8800 PDA from Symbol. All the VMC products use a carrier system for the PDA which has an easy to use stud which enables quick transfer from the vehicle to a belt clip mounted on the waist. The device swivels easily to avoid discomfort when seated (see inset picture)

- Supports PPT8800 PDAs
- One handed insert/release
- Small form factor
- Adjustable in any direction for viewing
- Built in charger, pass through communications for serial port
- Modular design for mounting and electronics modules
- Platform migration path across Symbol devices

VMC2500

The VMC2500 is designed to provide a very small footprint cradle for the Symbol MC70, for use in all vehicles including vans with limited dashboard space. The charging unit is a separate under dash mounted enclosure cable connected to the cradle chassis.

New product in 2006

- Supports MC70
- One handed insert/release
- Small form factor
- Adjustable in any direction for viewing
- supplied with separate "in line" battery charger
- tough lightweight plastic construction
- pass through communications for serial port and USB interface

Non Charging Cradles and Pouches

PPC1901

PPC1901 pouch provides a convenient way of combining a phone with a Symbol SPT1800 or similar. Communications is via the IrDA port on both devices. Care must be taken with the phone selection to ensure a reliable IR path is present. The pouch can be mounted on a VMC1901 cradle or to a Nokia style belt clip. Charging of phone and PDA is separate. Note if supplied with only one stud it can only be used with the belt clip.

The pouch optionally has a metal D ring for attaching hand straps. It also has sleeves on either side to hold a stylus.

Note the product may vary slightly from that pictured

Phones Supported:

- Ericsson T39
- Siemens CXV65
- Nokia 6585
- Other phones, please enquire

- Supports SPT1700, SPT1800, PPT2700, and PPT2800
- One handed insert/release
- Small form factor
- Adjustable in any direction for viewing

PPC1902

The PPC1902 is a simple and effective vehicle mounted cradle system for the secure carriage of a Symbol® MC70 handheld. The PPC1902 leather pouch is custom shaped to accommodate the equipment and attaches/detaches to the VMC1902 cradle in an easy one handed manner. The vehicle mount arms are fully adjustable to suit different attachment requirements and cradle orientations. When removed from the cradle the pouch can be clipped to a Nokia style belt clip or carried on a wrist strap or neck lanyard.

The design features an easy access pouch so that the Symbol universal cable cup and vehicle charger adaptor can be attached to the PDA for in vehicle battery re-charging.

- Supports Symbol MC70
- Easily mounted with a small footprint for dash or floor mounting
- Includes Top quality durable leather pouch with stainless fittings
- Pouch design assists with weather resistance and prevention of scratches to PDA
- Single handed attachment and detachment to the cradle
- Simple cradle design, fully adjustable for head angle
- Choice of mounting hardware
- Suitable for urban and off-road deployment
- Pouch also available as separate item

Cradle Mounting Systems

VMC2000SA1

Vehicle dash mount bracket for VMC2000 cradle:

- tough metal casing
- 3 axis adjustment with single adjustment knob
- dash mount
- approx.11cm high
- approx. weight 250 g

Please note the base fitting is supplied with a rubber cup to assist with conformal mounting to curved dashboards

VMC2000SA3

Vehicle glass mount bracket for VMC2000 cradle:

- lightweight plastic casing
- 3 axis adjustment with single adjustment knob
- Suction cup glass mount no need for mounting holes.
- approx.11cm high
- approx. weight 210 g

Please note objects mounted on windscreens must be placed so that they do not obstruct vision

VMC2000LA1

Vehicle floor mount bracket for VMC2000 cradle:

- tough ductile metal rod and metal casing
- 3 axis adjustment with single adjustment knob
- Floor or under seat mount
- Approx. 50 cm high
- approx. weight 400 g

Please note the base fitting is supplied with a number of fixtures to provide fixtures at different orientations, for capturing the mount under seats and for mounting against chassis cowlings.

Warning. Cradle and PDA devices are subject to normal vibration in the vehicle which can cause movement of the mounting arm unless the arm is additionally tethered.

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Accessories

PPC1781 - Nokia style belt clip

The belt clip allows the user to transfer the PDA with attached carrier from the cradle to the person's waist. It has an easy button release and a strong belt clip. The pouch is free to rotate to accommodate bending movements.

PPC1782 – Neck Lanyard

The Neck lanyard can be used with pouches fitted with a D-ring to allow hands free operation. The neck lanyard is approx. 70cm long and is made of tough braided nylon with plastic spring clip.
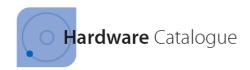
PPC1783 – Hand Strap

The hand strap can be used with pouches fitted with a D-ring to allow hands free operation or to prevent inadvertently dropping the PDA. The strap is approx. 15cm long and is made of tough braided nylon with plastic spring clip.

PPC1784 - Retractable belt clip

The retractable belt clip is an extremely high-quality key reel with 48" retractable pull. It features Stainless steel aircraft cable with nylon jacket for smoother draw. Unique ball-and-socket locking mechanism holds multiple keys. Heavy-duty polycarbonate case will not rust.

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Ordering Information

Each charging cradle includes the following items in the kit:

- Cradle Chassis
- PDA carrier (to suit particular model of PDA)
- Mounting arm (type to be specified by purchaser from available selection at the time of order)
- Soft seal Rubber cup (SA1 Mounting arm only)
- Battery cable (2m with terminations to cradle)
- User and installation instructions

Cradles are specified along with the mounting arm. For example VMC2400-LA1 (MC9000S cradle with long arm). Please ensure that the full part numbering is used to avoid receiving the wrong mounting arm. If no mounting arm suffix is provided with the order then units are supplied with the SA1 short arm.

Data cables are supplied as an optional extra and may be made to order to suit customer specific interface requirements to peripheral equipment. Please specify the equipment and cable specification when making enquiries.

Part Numbering

Charging Cradles

VMC2400	Vehicle Mount Cradle for Symbol MC9000S range – compatible with all mounting arms
VMC2300	Vehicle Mount Cradle for Symbol SPT18XX range – compatible with all mounting arms
VMC2200	Vehicle Mount Cradle for Symbol PPT28XX range – compatible with all mounting arms
VMC2100	Vehicle Mount Cradle for Symbol PPT8800 range – compatible with all mounting arms
VMC2500	Vehicle Mount Cradle for Symbol MC70 range – compatible with all mounting arms

Non-Charging Cradles and Pouches

PPC1901	Leather Pouch for SPT18xx and PPT28xx plus cellphone, mating cradle is VMC1901
PPC1902	Leather Pouch for MC70, mating cradle is VMC1902

Cradle Mounting systems

VMC2000-LA1	Floor Mount Bracket for VMC cradle (including fittings)
VMC2000-SA1	Dashboard Mount Bracket for VMC cradle (including fittings)
VMC2000-SA3	Glass Mount Bracket for VMC cradle (including fittings)

Accessories

PPC1781	Belt Clip
PPC1782	Neck Lanyard
PPC1783	Hand strap

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PPC1784   Rugged Retractable Keychain (122cm)

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(Mob) indicates the number is for a
cellular mobile phone

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