

Blackbay

Empowering Mobile Workers



Vehicle Mounted Cradles

www.blackbay.com

Blackbay Design Services

Vehicle Mounted Cradles

Blackbay designs and develops vehicle mounted cradles and accessories that meet a range of market requirements. Vehicle mounted cradles are used for holding handheld computer devices in vehicles for transport, logistics and distribution organisations'.

Our range of rugged and reliable cradles accompany our Delivery Connect and Service Connect solutions and include an integrated power supply for charging handhelds as well as a range of options for cradle mounting.

The Business Challenge

There are many choices when considering which PDA is best for vehicle based mobile workforces. Workers are required to use their PDA within their vehicle and they also need to take their PDA out of the vehicle into the depot or customer premises. Our vehicle mounted cradles' ensure that the PDA is securely held in place in the cradle and can simply be removed using one hand to lift and release the PDA. Key features include:



- **Rugged and Reliable Design** – the cradle delivers maximum durability to your hardware with custom specifications including a secure locking mechanism to minimise vibrations.
- **Easy to Use** – enables simple one handed insert and release of the PDA or mobile device.
- **Safe** – the cradle enables the driver to see the PDA at all times, your PDA will be held securely in place by the cradle whilst driving. This prevents any distractions caused by dropped or lost PDA's within the vehicle.
- **Durable** – the VMC2000 range comes with a charging option that ensures the PDA will last for the full shift duration.
- **Adaptable** – as each vehicle is different and customers have different requirements we have created a range of mounting options to suit floor or dash mount placement.
- **Adjustable** – the cradle is adjustable to any orientation for optimal operator viewing angles.
- **Transferable** – the solution uses a carrier plate attached to the PDA so that the device can be easily transferred from cradle to belt clip.

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Products at a Glance

	VMC2500	VMC2400	VMC2300	VMC2200	VMC2100
					
PDA Brand	Symbol™	Symbol™	Symbol™	Symbol™	Symbol™
PDA Type	MC70	MC9000S	SPT1700 SPT1800 PPT2700 PPT2800	PPT2837	PPT8800
Operating Temperature	-20° to +60°C				
Size (approx)	194mm x 87mm x 45mm	170mm x 70mm x 40mm			
Weight	150 grams	695 grams			
Vibration	TBA	1.2 to plywood on concrete			
Drop Specification	1.2 to plywood on concrete	1m to plywood on concrete			
Rated input / output voltage	11-36V dc input, %V dc output to PDA	11-36V dc input, 9V-12V dc output to PDA (output voltage depends on PDA model)			
Rated Output Current	1.5A nominal	1A nominal			
Charge Regulation	Line 1%, load 3%				

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Mounting Systems and Accessories

	Short Arm : Metal Dash Mount	Short Arm: Plastic Dash Mount	VMC LA1
			
Material	Metal	Plastic	Metal
VMC Cradle Type	VMC2000 Range		
Mounting Option	Dash Mount	Glass Mount	Floor Mount
Height (approx)	11cm	11cm	50cm
Weight	250 grams	210 grams	400 grams

	PPC1781: Nokia Style Belt Clip	PPC1782: Neck Lanyard	PPC1783: Hand Strap	PPC1784: Retractable Belt Clip
				
VMC Cradle Type	VMC2000 Range			

Where to Buy

Please visit www.blackbay.com to download our mobile hardware catalogue

About Blackbay

Blackbay delivers mobile enterprise solutions to supply chain and field service markets. The company specializes in offline and Real Time data capture on mobile computing devices connected to enterprise systems over wireless wide area and local area networks. Blackbay develops and manufactures HF and UHF wireless handheld RFID readers designed especially for wearable computing, rugged environments and hands free operation.