

Dolphin[®] 7850 Peripherals

Dolphin HomeBase[™]

The Dolphin HomeBase is a compact charging and communication cradle for the Dolphin 7850 mobile computer. The HomeBase supports both USB (12 Mbps) and RS-232 (up to 115 Kbps) communications and fully charges batteries in less than four hours. An integrated auxiliary charging well charges and stores a spare battery. Bright LEDs on the front panel indicate communication and charging status for easy monitoring.

A military-grade, communication/charging, mating connector ensures reliable long-term docking connections with the terminal. Bottom-weighting provides easy terminal insertion and removal. Rugged construction withstands real-world use. The integrated DIN rail slide enables secure desktop mounting and the optional wall bracket kit enables wall mounting.



Dolphin ChargeBase[™]

The Dolphin ChargeBase is a four-slot charging cradle for Dolphin 7850 terminals that fully charges depleted batteries in less than four hours.

When a full charge is complete, charging automatically switches to a trickle charge, thus preserving and ensuring a full battery charge.

Two LED indicators on the front of each slot indicate the docking and charge status of each Dolphin 7850 terminal.



Dolphin QuadCharger[™]

The Dolphin QuadCharger charges up to four Dolphin 7850 Lithium-Ion (Li-ion) batteries in four hours or less. The QuadCharger provides extremely accurate current and voltage regulation, temperature monitoring, and charge termination to optimize Li-ion battery performance.

The integrated battery analyzer feature resets and re-calibrates Li-ion batteries and displays remaining battery capacity allowing customers to effectively manage their battery lifespan.

Status LEDs indicate charging progress in each charge slot.



Dolphin 7850 HomeBase, ChargeBase, and QuadCharger Specifications

Structural

	HomeBase	ChargeBase	QuadCharger
Dimensions (H x D x W in.)	3.5" x 6.1" x 5.1" (8.9 x 15 x 13 cm.)	3.3" x 5" x 18" (8.4 x 13 x 46 cm.)	2.2" x 5.1" x 9.1" (5.6 x 13 x 23 cm.)
Weight	28 oz. (790 g)	32 oz. (910g)	17 oz. (480g)
Material	Gray polycarbonate ABS blend	Gray polycarbonate ABS blend	Gray polycarbonate ABS blend
Mounting	Use DIN rail to mount to a desktop	Use DIN rail to mount to a desktop	Use DIN rail to mount to a desktop or wall
Capacity	One terminal	Four terminals	Four Li-ion battery packs

Environmental

	HomeBase	ChargeBase	QuadCharger
Operating Temperature	14° to 122°F (-10° to 50°C)	32° to 104°F (0° to 40°C)	14° to 122°F (-10° to 50°C)
Storage Temperature	-4° to 158°F (-20° to 70°C)	-4° to 158°F (-20° to 70°C)	-4° to 158°F (-20° to 70°C)
Electrical Static Discharge	8 KVA immunity on all surfaces	10 KVA immunity on all surfaces	8 KVA immunity on all surfaces
Relative Humidity	90% relative humidity (non-condensing)	90% relative humidity (non-condensing)	90% relative humidity (non-condensing)

Power Supply

	HomeBase	ChargeBase	QuadCharger
Input (Universal)	100–250 Volts, 1.0 A, 50–60Hz	115-230 Volts, 2.0 A, 50-60Hz	100–240 Volts
Output	9.5 Volts DC, 4.0 A	9.5 Volts DC, 4.0 A	12 Volts DC, 3.0 A

Charging

	HomeBase	ChargeBase	QuadCharger
Standard Charge Time	Four hours or less	Four hours or less	Four hours or less
Charge LED	N/A	Green: Terminal's battery is charging	Orange: Charging Red: Faulty battery Green: Charge complete
Dock LEDs	Green: Terminal is properly seated	Green: Terminal is properly seated	N/A
AUX BATTERY LED: (HomeBase only)	Orange: Spare battery is charging Green: Spare battery charge complete	N/A	N/A

Communication (HomeBase only)

Interface	USB B Male connector (12 Mbps) and RS-232 DB-9 Female connector (115 Kbps)		
COMM LED	USB	Green	USB connection has been established between the terminal and the host device
	RS-232	Red	RS-232 data is being sent from the host device to the terminal
		Green	RS-232 data is being sent from the terminal to the host device
		Orange	RS-232 data is being sent at high data rates

Agency Approvals

HomeBase	ChargeBase	QuadCharger
cUL listed, FCC part 15 Class B, CE	cUL listed, FCC part 15 Class B, CE	cUL listed, FCC part 15 Class B, CE,

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