



DATA LUX

TRACER



THE DATALUX TRACER.

The Datalux Tracer System consists of three major components: the Datalux Tracer Computer, a Vehicle Mounting Frame designed for the most popular makes and models of public safety vehicles and a Vehicle Accessory Package, which consists

of a keyboard and a USB hub/DC-DC converter. Externally, this Tracer is identical to the original Tracer 2000, which is now mounted in thousands of police cars nationwide. Internally, the new Tracer is using a Pentium III™ processor at a minimum speed of 700Mhz, and new subsystems including a larger HDD and a much faster video controller. The USB hub/DC-DC converter has also been upgraded. And new mounting options utilize support from the passenger seat bolts rather than a center floor plate. This alternative mounting system allows the Tracer to be easily installed without disturbing existing equipment.

In addition, the Tracer is now easy to upgrade. Datalux plans to offer future upgrades to the computer board at a much lower cost than purchasing a completely new Tracer head.

The Tracer Computer. The Tracer Computer consists of a full-featured, 700MHz PC and a sunlight readable 12.1" LCD touchscreen monitor in the same housing. Monitor backlights are user-adjustable with a dimmer control. The computer relies primarily on USB ports for I/O while in the vehicle. This provides a very clean and reliable cabling arrangement with no interrupt conflicts. The housing is cast aluminum and compact enough not to interfere with air bag deployment. A thermal protection feature initiates an orderly, automatic shutdown when the computer is left on in an unattended vehicle and outside temperatures become extreme. The unit, with its folding stand, may be easily removed from the vehicle by unplugging only three connectors. It is then operational as a desktop computer. In addition to the two USB ports, the computer has two Card Bus ports (a conventional PS/2 keyboard port is an available option), a serial port and is network-ready with Ethernet 10/100Bt. A variety of USB accessories are available – floppy drive, CD-ROM drive,

mouse, card and bar code readers and printer, which may be used with the Tracer in or out of the vehicle.

The Tracer Vehicle Mounting Frame. The Tracer System is the only mobile data computer that includes a custom-mounting frame. Since each vehicle is unique, each frame is slightly different to provide stable, vibration-free support. Currently in production are frames for 1992-2001 Ford Crown Victorias, Chevrolet Luminas, the last model of the Chevrolet Caprice, 2000-2001 Chevrolet Impalas, 1996-2001 Ford Explorers and Expeditions, 1996-2001 Chevy Tahoes, Suburbans and similar vehicles and in both Chevy and GMC pick-ups. All others are under development. The frame consists primarily of an "L-shaped" steel bar which is biased into the vehicle dash providing effective vibration damping for viewing the display in as high a position as possible. Accessibility to normal dashboard controls (radio, trunk release, etc.) is available by swinging the computer away on a vertical axis. No dashboard modifications are required.

The Tracer Vehicle Accessory Package. The Accessory Package has an 82-key, backlit keyboard featuring standard spacing and standard key travel giving it the feel of a high-quality desk unit. The LEDs providing the keyboard backlight may be dimmed from the keyboard. The removable keyboard is mounted on a stable articulated arm allowing it to be positioned optimally for either the driver or the passenger. The other component in the accessory package is the USB hub/DC-DC converter housed in a single, cast aluminum box which mounts on the frame under the keyboard. This box has three USB ports and a single RS232 serial port brought down from the computer through a flexible conduit. The DC to DC converter accepts 12VDC vehicle voltage and a regulated 12VDC output to the Tracer Computer. This converter prevents the computer from re-booting with drops as low as 6VDC due to vehicle cranking. The Accessory Package is not unique to any model frame and may be moved when the vehicle is traded in and a new frame is installed.



Key Features

- Unique frame applies stabilizing torque against dash to eliminate vibration
- Computer unit swings on vertical hinge for easy dashboard access
- Computer/monitor quickly removable for use in office
- Bright, sunlight readable LCD screen, 925 Nits, with dimmer control
- Compact USB hub/DC-DC converter controls I/O and power conditioning
- Air bag and road tested system
- Installs without removing any dashboard components
- Complete system installation in less than 1 hour
- Secure cabling to RF modem, GPS and other peripherals
- 10/100Bt network port accessible in vehicle or on desk



Tracer Technical Specifications

The Tracer Computer

CPU	Mobile Intel® Pentium III™ 700Mhz
DRAM	128MB or 256MB
Hard Disk	20GB min.
ISA Sound	Internal speaker
Ports	2 USB (version 1.1) RS232 Serial PS/2 Keyboard (optional) Ethernet 10/100Bt LAN PCMCIA/Card Bus
LCD Monitor	Color active matrix flat panel
Monitor Size	12.1" diagonal
Resolution	800 x 600 SVGA
Luminance	925 cd/m ² bare 685 cd/m ² with touchscreen
Touchscreen	Capacitive or 5-wire resistive
Operating Temp.	0°C to +55°C
Storage Temp.	-20°C to +65°C
Size	11.9" x 9.4" x 2" (302 x 238 x 51mm)
Weight	6.6 lbs.
Software	Windows® 98, 2000, XP



The Tracer Vehicle Accessory Package:

Keyboard

No. of Keys	82
Key Travel	4mm
Key Spacing	19mm
Interface	USB
Size	12" x 6" x 1.4" (305 x 153 x 36mm)
Weight	2 lbs.

USB Hub/DC-DC Converter

Com Port	RS232 serial
No. of USB Ports	3
Voltage In	6-16VDC
Voltage Out	12VDC regulated
Current Out	5A max.
Size	6" x 3.25" x 2" (153 x 83 x 51mm)

Specifications subject to change without notice.

DATALUX

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