



A New, Improved High-Performance Data Collection Terminal



SPECIFICATIONS

CPU	SH1 (32-bit RISC type)	
Memory	4 MB (User area: Approx. 1.6 MB)	
RAM	16 MB (User area: Approx. 12.5 MB)	
F-ROM		
Display	Monochrome FSTN LCD	
Type	128 x 64 dots	
Resolution	6, 8, 10 dots	
Font size	210 in 6-dot mode (6x6 dots per font)	
No. of display fonts	105 in 6-dot mode (6x12 dots per font)	
	128 in 8-dot mode (8x8 dots per font)	
	64 in 8-dot mode (8x16 dots per font)	
	72 in 10-dot mode (10x10 dots per font)	
	36 in 10-dot mode (10x20 dots per font)	
Backlight	LED	
Indicator	3-color (blue, green, red) LED	
Input		
Keyboard	Numeric (Alphabet) keys, CLR key, BS key, S key, Multi-function (L/R) keys, F1 to F8 keys, Power key	
Trigger key	2 (on left and right sides)	
Laser scanner		
Type	Semi-conductor laser light	
No. of scannings	100 per second	
Resolution	0.127mm	
Readable distance	0 to 400 mm	
Readable width	60 to 390 mm (at maximum distance)	
Readable symbologies	EAN8, EAN13, UPC-A/E, CODABAR, CODE39, CODE93, CODE128/EAN128, ITF, MSI, IATA, Industrial 2 of 5	
Interface		
Bluetooth*	Bluetooth Version 1.2 compatible	
Infrared	IrDA 1.1 compatible (Maximum: 4 Mbps, up to 20cm)	
Buzzer		
Sound volume	75 dB or greater	
Vibrator	Comes as standard	
Power	AA-size alkaline battery (2 pcs) or DT-923LIB lithium-ion battery pack	
Operation	Lithium battery (CR2032)	
Memory backup	540 mAh (DT-923LIB)	
Battery capacity	With AA-size batteries: Approx. 200 hours*	
Operating period	*Under conditions of Discanning twice per 10 seconds and at room temperature	
Memory backup period	With only memory backup battery: ~1 month*	
	* Backed up with only memory backup battery and at room temperature	
Environment		
Operating temperature	-20...C to +50...C	
Storage temperature	-20...C to +70...C	
Operating humidity	10% to 80%RH (no condensation)	
Storage humidity	5% to 90%RH (no condensation)	
Dust/Water-splash proof	IP54 level (compliant with IEC60529)	
Drop durability	From 1.8 m in height to concrete floor	
Dimensions and weight		
Dimensions	DT-930M50E: Approx. 57.4 (69.0*) W x 180.0 D x 21.9 (40.2**) H mm	
	DT-930M51E: Approx. 57.4 (69.0*) W x 173.0 D x 21.9 (31.6**) H mm	
	*: Display's external dimensions ** : Reader portion's external dimensions	
Weight	DT-930M50E: Approx. 225 g	
	DT-930M51E: Approx. 210 g	
	The weights include two AA-size alkaline batteries.	
Application development tool	Hitachi SH-C Compiler	
Compliance		
Safety	EN60950 (UL60950 compatible)	
EMC, EMI	EN55022/EN55024 (FCC Part 15B compatible)	
Bluetooth* type approval	EN300328/EN301489 (FCC Part 15C, RSS-210 compatible)	
	Bluetooth logo certification	
Laser	EN60825 (FDA compatible)	



- High-performance scanner with a resolution of 0.127 mm and maximum scanning distance of 450 mm
- Excellent drop impact resistance (1.8 meters in height), IP54 level dust and water-splash protection, and a wide operating temperature range of -20°C to 50°C
- 2-way power supply; either AA-size alkaline batteries or rechargeable battery delivering long periods of continuous operation (approx. 200 hours when powered by two AA-size alkaline batteries)
- Large backlit keys
- IrDA (Version 1.1) and Bluetooth (Version 1.2) integrated as standard
- Large memory (RAM 4MB and F-ROM 16MB)
- Full software and cradle compatibility with DT-900 series



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 •Specifications and designs are subject to change without notice.

Easy-to-hold, easy-to-operate slim device that can withstand harsh working environments



Actual size

Built-in high-performance scanner

A built-in high speed laser scanner is provided as standard with the latest decoder capable of reading all types of industry standard 1D bar code symbologies. Higher resolution (0.127 mm) and improved scanning distance (450 mm maximum) ensure great accuracy of bar code reading. In addition, a scan width control (laser beam swing angle control) function is included to prevent the misreading of adjacent bar codes. For scan complete confirmation, a large green LED, vibrator, or beep or any combination of these can be selected according to your working environment.

Two models are available to suit different applications: DT-930M50E has a downward scanning angle and DT-930M51E has a straight scanning angle.



Robust and durable

The DT-930 is designed and built to withstand harsh working environments. It should suffer no adverse effects to its operation when dropped from 1.8 meters in height to a concrete floor. It features excellent dust and water-splash protection that meets the requirements for the IP54 level of the International IEC60529 standard. The DT-930 can also operate in severe temperatures within the range -20°C to 50°C.

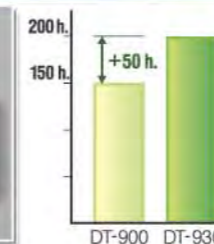


Improved ease of use and visibility

The large keys with a responsive click touch enable error-free key operations even when the user is wearing gloves. Backlit keys are employed to enable keypad operation in poor lighting conditions. The STN display, which includes a phase compensation film, provides maximum brightness and can display large fonts, which greatly improves screen visibility. In addition, a large 3-color LED in either green, blue or red can vividly light up to indicate an event. All these features help to ensure comfortable use for long periods in dark environments such as warehouses.



Long battery life, two-way power supply



An exceptionally long period of continuous operation has been achieved (approx. 200 hours with two AA-size alkaline batteries), thanks to the power-saving design and effective power-management features employed in the DT-930 series. Furthermore, the DT-930 provides a choice of power source: two AA-size alkaline batteries or a rechargeable lithium-ion battery.

Integrated Bluetooth for wireless communications

The latest version of Bluetooth is integrated as standard in all models to allow wireless communications with portable Bluetooth label printers, greatly improving efficiency and flexibility. For example, you can print shelf edge labels on a belt printer right in front of a shelf in your store.



Large memory

In addition to 4MB of RAM, the DT-930 has a 16 MB F-ROM storage area which can be used for the backup of applications and data. This prevents the loss of data if the user allows the battery to completely run down.

Full software and cradle compatibility with DT-900 series



Applications developed for the existing Casio DT-900 series handheld terminal, which has been widely deployed in the scanning-based vertical markets, can be easily ported to the DT-930 series thanks to a high degree of software compatibility. Besides software compatibility, the DT-960IOE Basic Cradle and DT-964IOE Satellite Cradle for the DT-900 series can also be used with the DT-930 series. This not only preserves your investment in software and some of the dedicated peripherals but also allows the DT-930 series to be used in conjunction with the DT-900 series in mixed deployments.