



Model Selection

Model	Scanner	Bluetooth	IEEE802.11b	Digital Camera
IT-500M30	Yes	No	No	No
IT-500M30B	Yes	Yes	No	No
IT-500M30R	Yes	No	ETSI	No
IT-500M30F	Yes	No	FCC	No
IT-500M30CR	Yes	No	ETSI	Yes
IT-500M30CF	Yes	No	FCC	Yes
IT-500M30CB	Yes	Yes	No	Yes

Selection of IT-500M30R, M30F, M30CR and M30CF must be made according to your local regulations of Wireless LAN products.

SPECIFICATIONS

CPU	Intel® PXA255 Application Processor (Max. 400 MHz)	Digital camera	IT-500M30R/M30CF/M30CB	IT-500M30/M30B/M30R/M30F
OS	Microsoft® Windows® CE .NET 4.1 English Version		300,000 effective pixels	None
Memory			(350,000 total pixels)	
RAM	32 MB	Power		
F-ROM	64 MB (user area 30 MB)	Operation		Lithium-ion battery pack (DT-5123BAT or DT-5124LBAT)
Display		Memory backup		Lithium battery (rechargeable) on board
Type	3.5-inch 2-way TFT color LCD	Battery capacity		DT-5123BAT 900 mAh
Resolution	240 x 320 dots			DT-5124LBAT 1,800 mAh
Backlight	LED	Environment		
Indicator	2-color LED x 2 (Left: battery charge status, Right: programmable)	Operating temperature		-10°C to +50°C
Laser Scanner		Storage temperature		-20°C to +60°C
Type	Semi-conductor laser light	Operating humidity		10% to 80%RH (no condensation)
No. of scans	100 times per second	Storage humidity		5% to 90%RH (no condensation)
Resolution	0.127 mm	Dust/Water-splash proof		IP54
Readable distance	4 to 30 cm	Drop durability		From 1.0 m height onto concrete floor
Readable symbologies	EAN, UPCA/E, NW7/Codabar, ITF, Code39, Code93, Code128/EAN128, MSI/Plessey, IATA	Dimensions and weight		
Input/Output		Dimensions		Approx. 78 (W) x 162 (D) x 20 (H) mm
Keyboard	Numeric (Alphabet) keys, CLR key, Execute key, Power ON/OFF key, Fn key, * key	Weight		IT-500M30/M30B/M30CB
Trigger key	Left side	Application development tool		IT-500M30R/M30F/M30CR/M30CF
Touchpanel	Resolution 240 x 320 dots. With character input pad	Compliance		Approx. 260g
Audio	Built-in speaker and microphone	Safety		Approx. 280g
Interface		EMC		eMbedded Visual C++ 4.0, Visual Studio .NET 2003
Infrared	IrDA 1.1 compatible	RF type approval		EN60950
Serial	Serial port (C-MOS level)	Bluetooth type approval		EN55022/EN55024
Wireless LAN	IT-500M30/M30B/M30CB			EN300328/EN301489
	None			Bluetooth logo certification
Bluetooth	IT-500M30R/M30F/M30CR/M30CF			
	None			
	IEEE802.11b Max. 11 Mbps			
	IT-500M30B/M30CB			
	Bluetooth Version 1.1			

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 • Displays shown in this catalogue are photographic images. • This catalogue is current as of December 2003.
 • Specifications and designs are subject to change without notice.

Superb functionality in an elegant yet rugged design - all you need to transform your business



- Laser module capable of scanning industrial standard bar code symbologies
- Wireless communications using built in Wireless LAN IEEE802.11b or Bluetooth™
- Color digital camera built in for attaching pictures to information
- VoIP function for local telephony within a network environment
- Windows® CE .NET 4.1 operating system
- Pocket-sized and built to withstand harsh handling and environments, compliant to IP54 dust and water-splash proofing and shock resistance to a drop from 1.0 m in height
- Device-specific terminal emulation for easy connectivity over the network

Advanced features for a number of vertical industries, encased in a compact and rugged terminal

Pocket-sized and built in the style of a PDA, the IT-500 boasts stable operation for diverse tasks, has Windows® CE .NET 4.1 factory installed as its operating system and comes with a built-in laser scanner. Different versions are available with built in Bluetooth™, Wireless LAN for wireless communications and color digital camera for attaching pictures.



Capable of scanning industrial standard bar code symbologies

The laser scanner integrated in all models of the series as standard, is capable of scanning any bar code symbology conforming with industrial standards including EAN, UPCA/E, NW-7/Codabar, Code39, Code93, Code128/ EAN128, ITF, MSI/Plessey and IATA. The high resolution laser module will swing the laser beam right and left 100 times per second for smooth scanning and minimal operational errors. The whole scanning performance is outstanding in its class and second to none.



Capturing information with pictures

A superb color digital camera is also available. With this, on-the-spot information can be backed up with pictures and saved into the IT-500 for transmission to a remote host computer via wireless or wired LAN. Models (IT-500M30CR/M30CF/M30CB) with the digital camera are suitable for any business requirement where pictures and data are needed on the spot. For example parking enforcement, patrols, inspections and roadside accident reporting are suitable applications.



A wide selection of wireless communication standards

The IT-500 Series comes with various wireless communications, giving users a choice to suit their communication environments in many vertical applications. Models are available with Bluetooth™ integrated (IT-500M30B/M30CB) or with Wireless LAN compliant with IEEE802.11b (IT-500M30R/M30F/M30CR/M30CF) providing communication speeds up to a rate of 11 Mbps maximum. Users are able to select a model depending on their particular business requirement.

For models with Wireless LAN integrated, device-specific terminal emulation has been developed by Naurtech Corporation, for remote access to host computer systems. The terminal emulation comes available in either English version or 2-byte code language version.



Microsoft® Windows® CE .NET operating system

The IT-500 uses Windows® CE .NET 4.1, connecting information, people, systems and devices together. The software technology allows great support for wireless communications via Bluetooth™ and Wireless LAN.



Voice over IP

The IT-500 Series features VoIP (Voice over Internet Protocol) making it possible to link to LAN-based Internet telephone. This feature, using optional application software, will provide you with quality voice and sound via the integrated microphone and speaker. Since VoIP requires Wireless LAN to transmit data in air, this feature is available on those models with Wireless LAN (IT-500M30R/M30F/M30CR/M30CF).

Designed and manufactured to withstand harsh handling

The IT-500 Series has been designed and manufactured to withstand harsh business environments. It has dust and water-splash proof capabilities that are compliant with the International Standard IEC529, IP54*, and shock resistance to withstand a fall from up to 1.0 meters in height, more than enough to meet business environments including outdoors in rainy conditions.



*IP (Industrial Protection) code: a coding system to indicate the degrees of protection provided by an enclosure against access to hazardous parts, ingress of solid foreign objects, ingress of water and to give additional information in connection with such protection. Elements of the IP54 code and their meanings are as follows:

- IP5x:** Represents dust proof to level 5. Even though the intrusion of dust cannot be totally prevented, dust that might otherwise prevent smooth operation of the product does not get in.
- IPx4:** Represents water-splash proof to level 4. No detrimental effect is observed even with exposure to water splashed from any direction.