

# The new IT-800 with Smart Card and Telephone Function



The IT-800 offers 3.5G wireless WAN (GPRS/UMTS/EDGE/HSDPA) capability providing a high-speed data connection as well as voice communication for telephony functionality. The terminal can gather information by scanning 1D or 2D barcodes, take images with the built in digital camera, read Smart Cards and transfer the GPS location information. Developed using ISO 13407 human-centered design processes, the new PDA is easy to hold and operate. It is IP54-rated dust/splash proof and can withstand drops on concrete from a height of 1.5 meters. It operates at temperatures of  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  and is suitable for an all-season outdoor use.

- Windows Mobile 6.5
- Wireless WAN with telephone function and GPS
- Smart Card reader/writer
- Wireless LAN, Bluetooth<sup>®</sup>
- 2 Megapixel digital camera with autofocus
- Laser scanner, CMOS imager or SDIO slot

Model	IT-800R-05	IT-800RC-05	IT-800R-15	IT-800RC-15	IT-800RC-15	IT-800R-35	IT-800RC-35	IT-800RC-35
Laser scanner			X	X	X			
CMOS Imager						X	X	X
Bluetooth 802.11b/g	X	X	X	X	X	X	X	X
W-WAN (with GPS)		X			X			X
Camera		X		X	X		X	X
NFC	X	X	X	X	X	X	X	X

Specifications										
Model IT-800	Model IT-800R-05	Model IT-800RC-05	Model IT-800R-15	Model IT-800RC-15	Model IT-800RC-15	Model IT-800R-35	Model IT-800RC-35	Model IT-800RC-35	Model IT-800RC-35	
<b>CPU</b>	Marvel PXA320 624MHz									
<b>Operating System</b>	Microsoft Windows Mobile 6.5 English Version									
<b>Memory</b>	128 MB									
RAM	256 MB (ca. 150 MB free for User)									
ROM										
<b>Display</b>	CASIO 'Blanview®' LCD, VGA, Protection between LCD and Touch panel, Backlight, Touch screen									
<b>Dimension/Pixel</b>	9,4 cm (3,7 Inches) / 480x640 Pixels									
<b>Keyboard</b>	23 Keys, incl. Num. Keys, Power-Button, Cursor-Keys, Backlight									
<b>Status LED</b>	6-color (red, green, blue, orange, cyan, magenta) LED x 1, 3-color (orange, green, red) LED x 1									
<b>Communication</b>	W-WAN	N	GSM / GPRS / EDGE / UMTS / HSDPA, with Telephone Function			GSM / GPRS / EDGE / UMTS / HSDPA, with Telephone Function			GSM / GPRS / EDGE / UMTS / HSDPA, with Telephone Function	
	W-LAN	802.11b/g, WPA2/AES								
	Bluetooth	Version 2.0 +EDR								
	IrDA	IrDA 1,3 Low Power (Max. 4 Mbps)								
	Smart Card	NFC (Near Field Communication) ISO14443 Typ A/Mifare, ISO14444 Typ B/Felica								
<b>Camera</b>	Imaging	-	2.0M Pixels CMOS	-	2.0M Pixels CMOS	2.0M Pixels CMOS	-	2.0M Pixels CMOS	2.0M Pixels CMOS	
	Autofocus		X		X	X		X	X	
	Flash		LED		LED	LED		LED	LED	
	Film		QVGA/15fps Fixed Focus WMV format		QVGA/15fps/Fixed Focus WMV format			QVGA/15fps/Fixed Focus WMV format		
<b>GPS</b>			X			X			X	
<b>SD</b>		-	-	microSD (SDHC, up to 32GB)						
SDIO		X	X							
<b>DC Jack</b>		X	X	X	X	X	X	X	X	
<b>Sound</b>	Loudspeaker	X	X	X	X	X	X	X	X	
<b>Sound</b>	Loudspeaker Just for telephone function		X			X			X	
<b>Microphone</b>		X	X	X	X	X	X	X	X	
<b>Vibration Alarm</b>		X	X	X	X	X	X	X	X	
<b>Laser Scanner</b>	1D			UPC-A / UPC-E / EAN8 ( JAN8 ) / EAN13 ( JAN13 ) / Codabar ( NW-7 ) / Code39, Interleaved2of5 ( ITF ) / MSI / Industrial2of5 / Code93 / Code128 ( EAN128 ) / IATA / GS1 DataBar / ISBT						
<b>CMOS Imager</b>	1D			UPC-A / UPC-E / EAN8 ( JAN8 ) / EAN13 ( JAN13 ) / Codabar ( NW-7 ) / Code39 Interleaved2of5 ( ITF ) / MSI / Code93 / Code128 ( EAN128 ) / Code11 IATA / RSS-14 ( GS1 DataBarOmnidirectional ) / RSS Limited ( GS1DataBarLimited ) / RSS Expanded ( GS1 DataBar Expanded ) / RSS-14 Truncated ( GS1 DataBar Truncated )						
	2D Stacked						PDF417 / Micro PDF / CODE49 / Composite / Codablock F / TLC39 / RSS-14 Stacked Omnidirectional ( GS1 DataBar Omnidirectional stacked ) / RSS Expanded Stacked ( GS1 DataBar Expanded Stacked ) / RSS-14 Stacked ( GS1 DataBar Stacked )			
	2D Matrix						Aztec / DataMatrix / Maxicode / QR Code / microQR			
<b>Lithium-ion Battery</b>	Standard/Big	3.7V 1,850 mAh / 3.7V 3,700 mAh								
<b>Durability</b>	Drop Durability	1.5m								
Dust/Splash-proof		IP54								
<b>Operating Temperature:</b>		-20° C - 50° C								
<b>Dimensions</b>		159x78x25mm	159x78x32mm	159x78x25mm	159x78x25mm	159x78x32mm	159x78x25mm	159x78x25mm	159x78x32mm	
<b>Weight</b>		270g	<350g	265g	270g	<350g	275g	280g	<350g	