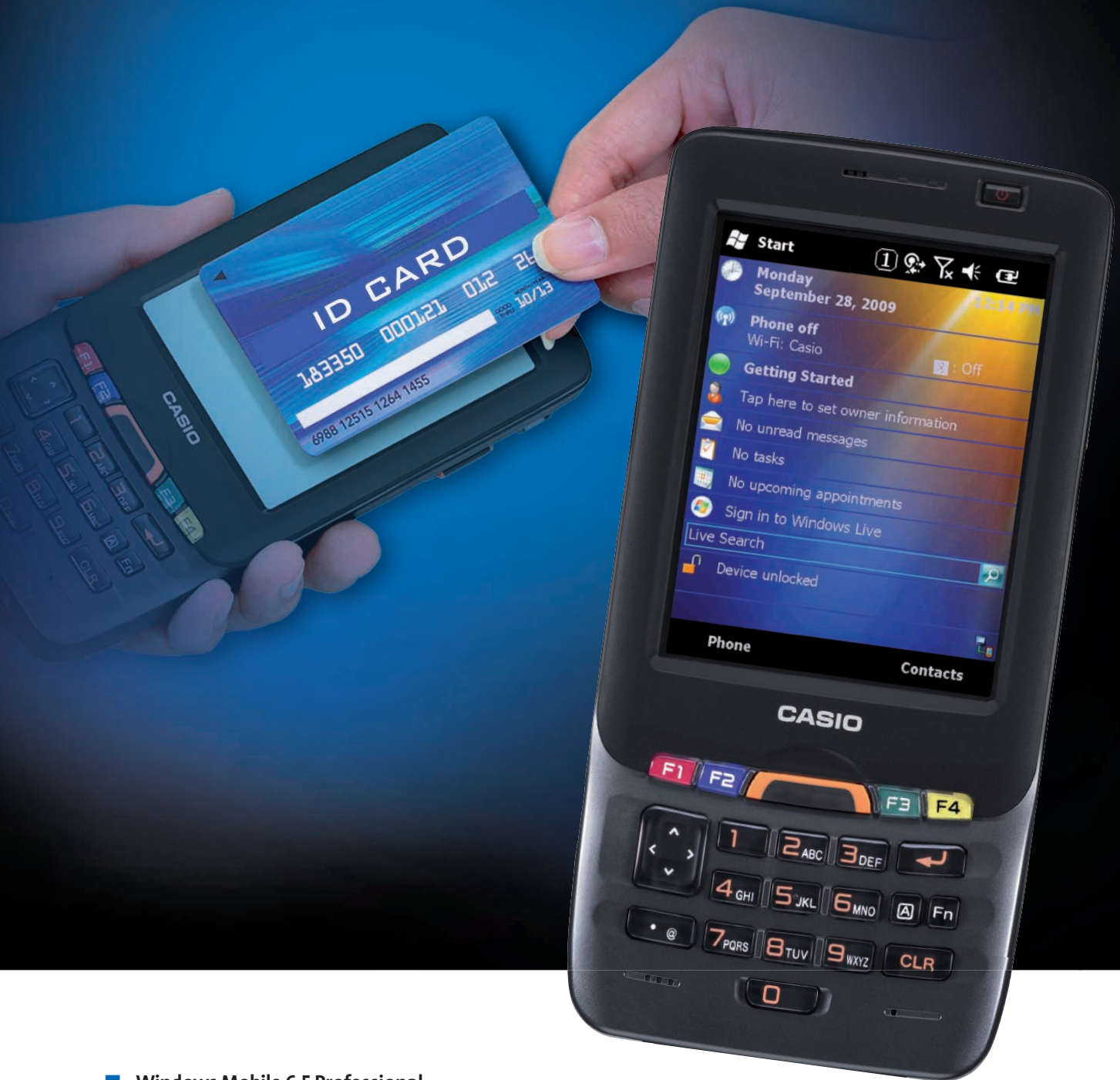# Mobile data communication with maximum security:
The new IT-800 industrial PDA

- **Windows Mobile 6.5 Professional**
- **Telephone function and GPS**
- **Smart Card Reader / Writer**
- **GPRS, EDGE, UMTS, HSDPA, WLAN and Bluetooth©**
- **Digital camera with autofocus and LED flash**
- **Integrated Laser Scanner or CMOS imager or SDIO slot**

CASIO®

Versatile and powerful like a PDA, rugged like an industrial terminal, capable to communicate like a mobile phone or webbook: The new high-end industrial terminal IT-800 offers state-of-the-art mobile data communication and is the ideal assistant for all who need to send data or image files in real time - no matter if parcel services, transportation companies, field workers, event organizers or just in the warehouse or at the point-of-sale. A highlight of the IT-800 is the screen because the new developed display is ten times more robust than standard* displays. It even withstands the impact of a 500 g metal ball from the height of 25 cm.
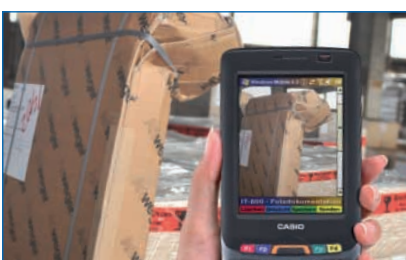
Maximum versatility

As the first industrial PDA with the operation system Windows Mobile 6.5 and 3.5G Wireless WAN, WLAN and Bluetooth the IT-800 can be used extremely flexible. Along with the rapid data communication the terminal offers also telephone functionality. Further features are GPS for locating the exact position, a camera with autofocus and flash for fast image documentation as well as a laser scanner or CMOS imager for 1D or 2D codes.

PDA design in industrial quality

Despite the high-class PDA design with a comfortably light weight and handy dimensions the IT-800 is developed under the ISO 13407 Human-Centred Design guidelines and can withstand the stress of an industrial environment completely. The less than 350 g light device fits into a shirt pocket without problems. At the same time sunshine, rain, snow as well as typical impacts and hits in the industrial use are not dangerous for the IT-800. Due to the environment protection class IP54 against dust and water, 1.50 m drop protection on concrete and an operating temperature range of -20° C to 50° C the device can be used in nearly every working environment.

Digital camera with flash and autofocus

Another highlight of the IT-800 is the integrated digital camera. It offers a resolution of up to two mega pixels and works with autofocus and LED flash. So signatures on delivery documents, delivery situations, transport damages or parking violations can be documented safely and quickly and sent to the head office.

Smart Card Reader and Writer

The integrated Smart Card Reader and Writer allows the fast and touch free process of Smart Cards with the device. It can be used for the mobile access control at events or ticketing in busses and trains etc. for example. The Smart Card Reader also allows in an outstanding way to secure the IT-800 against all unauthorized usage. So it is possible that employees of a company have to log on to the terminal with a Smart Card instead of a password which easily could be stolen. Different function levels of IT-800 can be made visible only to certain employees with a master card if necessary.

CASIO Blanview Display

The new CASIO Blanview display technology makes the display of the IT-800 thirty percent more light-transmissive than regular screens. This saves energy and extends the battery life because less backlight is needed. The large VGA display with 480 x 640 pixels and 9.4 cm diagonal screen size offers excellent visibility under all light conditions. A special transparent protection material embedded between the touch panel and the LCD makes the display ten times more robust than standard* displays. With this technology it even withstands a direct impact of a 500 g metal ball from the height of 25 cm onto the screen without a crack.

* When compared with the previous model IT-600 in an internal test. The test results are based on Casio standards, and are not a guarantee that the actual product will not break or fail.

General Guide / Options

Left side		Right side
Status LED	Power-on / off	Laser Scanner / CMOS-imager
Screen Protect Sheet / HA-H90PS2	Hand Belt Holder	Trigger keys
Trigger keys	Screen	Lithium-Ionen Akku / HA-D20BAT / HA-D21LBAT
	Digital Camera	
	Flash Light	
Center Trigger Key	Keyboard	Battery case
IrDA Port		
Microphone	Power pins	

Cradle (only charging function) / HA-H30CHG	USB Cradle / HA-H60IO	Ethernet Cradle / HA-H62IO	Dual Battery Charger / HA-D32DCHG	12V – 24V Cable
				Car Mounted-type Battery Charger / HA-H35CHG
	AC Adapter / AD-S15050BE	AC Adapter / AD-S42120BE		Trigger Grip / HA-H51TG

Model	IT-800R-05	IT-800RGC-05	IT-800R-15	IT-800RC-15	IT-800RGC-15	IT-800R-35	IT-800RC-35	IT-800RGC-35
Laser Scanner			X	X	X			
CMOS Imager						X	X	X
Bluetooth, WLAN	X	X	X	X	X	X	X	X
WWAN and GPS		X			X			X
Camera		X		X	X		X	X
NFC	X	X	X	X	X	X	X	X

Specifications

Model		IT-800R-05	IT-800RGC-05	IT-800R-15	IT-800RC-15	IT-800RGC-15	IT-800R-35	IT-800RC-35	IT-800RGC-35
CPU		Marvel PXA320 624MHz							
Operating System		Microsoft Windows Mobile 6.5 Professional (English Version)							
Memory	RAM	128 MB							
	ROM	256 MB (ca. 150 MB free for User)							
Display		CASIO 'Blanview®' LCD, VGA, Protection between LCD and Touch panel, Backlight, Touch screen							
Dimension / Pixels		9.4 cm (3.7 Inch) / 480x640 Pixels							
Keyboard		23 Keys, incl. Num. Keys, Power-Button, Cursor-Keys, Backlight							
Status LED		3-color (red, green, orange) LED x 1, 2-color (orange, blue) LED x 1							
Communikation	WWAN		GSM / GPRS / EDGE / UMTS / HSDPA, with Telephone Function			GSM / GPRS / EDGE / UMTS / HSDPA, with Telephone Function			GSM / GPRS / EDGE / UMTS / HSDPA, with Telephone Function
	WLAN	IEEE 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) ISO 14443 Type A and B / Mifare / FeliCa							
Camera	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	
GPS			X			X			X
SD		microSD (SDHC, up to 32GB)							
SDIO		X	X						
DC Jack		X	X	X	X	X	X	X	X
Loudspeaker	(Sound)	X	X	X	X	X	X	X	X
Loudspeaker	(Telephone)		X			X			X
Microphone		X	X	X	X	X	X	X	X
Vibration Alarm		X	X	X	X	X	X	X	X
Laser Scanner	1D			UPC-A / UPC-E / EAN8 (JAN8) / EAN13 (JAN13) Codabar (NW-7) / Code39, Interleaved2of5 (ITF) MSI / Industrial2of5 / Code93 / Code128 (EAN128) IATA / GS1 DataBar / ISBT					
CMOS Imager	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 (GS1 DataBarLimited) / 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		
Lithium-ion Battery	Standard / Big	3.7V, 1,850 mAh / 3.7V 3,700 mAh							
Durability	Drop Durability	1.5m							
Dust / Splash-proof		IP54							
Operating Temperature		-20⁰ C to +50⁰ C							
Dimesions		159x78x25mm	159x78x32mm	159x78x25mm	159x78x25mm	159x78x32mm	159x78x25mm	159x78x25mm	159x78x32mm
Weight		270g	335g	265g	270g	335g	275g	280g	335g

CASIO®