No.	Model	OS	Printer	CMOS-Imager	MCR	Camera	WAN/GPS	LAN	NFC
1	IT-9000-E	CE	x					x	x
2	IT-9000-05E	Mobile	x					x	x
3	IT-9000-20E	CE	x	x				x	x
4	IT-9000-25E	Mobile	x	x				x	x
5	IT-9000-GE	CE	x				x	x	x
6	IT-9000-G05E	Mobile	x				x	x	x
7	IT-9000-G20E	CE	x	x			x	x	x
8	IT-9000-G25E	Mobile	x	x			x	x	x
9	IT-9000-GC25E	Mobile	x	x		x	x	x	x
10	IT-9000-GMC25E	Mobile	x	x	x	x	x	x	x

Specifications

Model		IT-9000
OS		Microsoft® Windows® Embedded CE. 6.0 R3, Microsoft® Windows® Mobile 6.5
CPU		Marvel PXA320
Memory	RAM	256MB
	ROM	256MB
Display	LCD/Dimension/Solution	Color TFT/9,4cm/Windows® Embedded CE: VGA/QVGA, Windows® Mobile: VGA
Input	Keyboard	27 keys, incl. num. keys, CLR-Key, execute key, cursor key, power key, trigger keys, Fn key, F1 to F4 key
	Keylighting	Yes
	Touchscreen	Yes
Printer	Speed	28 Lines per second
	Papersize	58mm/80mm, roll paper and label paper (Size roll paper 44mm)
	Sensor	Position to print
CMOS-Imager	Solution	1D: 015mm, 2D Stacked: 0,169mm, 2D Matrix: 0,25mm
	1D	UPC-A/UPC-E/EAN8/EAN13/Codabar(NW-7)/Code39/Interleaved 2of5(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)
	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)
	Matrix	Aztec, DataMatrix, Maxicode, QR Code: microQR
Interfaces	W-WAN	GSM/GPRS/EDGE/UMTS/HSDPA
	W-LAN/Security	802.11 b/g / WPA2, AES
	Bluetooth	Ver 2.0, Class2
	USB	USB Host and Client
	Magnet card reader	ISO Tracks 1, 2 and 3 (ISO/IEC 7811-2 2001)
	NFC/RFID	Yes
	SD slot	Smart Card - ISO14443 type A/ISO14443 type B/Felica®/RFID - ISO15693/up to 3 SAM Slots
Camera	Solution	2 Megapixel autofocus with LED flash
Power	Power supply	Charge time 5 hours by charging connection, Operating time up to 20 hours
	Battery	Li-Ion(HA-G20BAT)
Durability	Dust/Splash-proof	IP54
	Drop Durability	1.5m
	Operating Temperature	-20⁰ C to +50⁰ C
Vibrator		Yes
Dimensions		Width: Printer110mm/grip 76mm, length: 245mm, depth: Printer 53mm/grip 32mm
Weight		From 590g (including battery, without paper roll)

Specs are subject to change without notice.

Multifunctional terminal:
including printer and interface
for PIN-based mobile cash solution

- Windows® Embedded CE 6.0 R3/ Windows® Mobile 6.5
- Thermo printer
- Reads 1D and 2D barcodes
- UMTS/GPS/camera
- Integrated SAM slots
- NFC authorisation

CASIO®

CASIO®

Wide range of integrated equipment — including printer, camera, UMTS and GPS

The IT-9000 truly is multi-talented and it combines features that no other hand-held terminal can provide. The IT-9000 really comes into its own in situations where mobile printing is required. What's more, CCV Deutschland external PIN pads can be used to make secure mobile payments with debit and credit cards (chip/magnetic strip) both in Germany and in many other European countries. The IT-9000 is therefore extremely suitable for use in public transport, route sales, meter readings, parking management and monitoring, and for access controls for event solutions.

As the market leader in the mobile printer terminals sector, CASIO has experience of over 35,000 installed units throughout Europe.

Together with our experienced partners, we are able to meet a wide variety of customer requirements, implementing a number of very special solutions in the process. Using IT-9000 terminals, the main areas to focus on are increasing data quality, improving customer service and particularly the potential to reduce costs. By using terminals that have an integrated printer, typical problems such as battery operating

The improved printer design of the IT-9000 allows the paper strip to move both forwards and backwards, which has resulted in considerably shorter print times and lower paper consumption with less frequent roll changes. The paper in the printer is also better protected. In addition to the magnetic card reader, the IT-9000 has an NFC module, which can be used to solve user authorisation issues. Potential use for this feature,

for example, is for securely registering employees via SmartCards. If further security features are required, the IT-9000 **can provide up to three Secure Access Module Slots (SAM).** All of the features mentioned can be used in the public transport sector. **In addition to printing tickets and documenting damage caused by vandalism, the IT-9000 allows you to synchronise all information via UMTS online.**

times that vary in length or connection problems, which occur regularly in separate systems, cease to exist. For deliveries, printer terminals can be used for more than just printing delivery notes and proofs of delivery – the delivery route can be optimised or adapted to meet current requirements, even during the delivery run itself. Standard navigation systems can be used on devices that run under Windows® Mobile 6.5, for example. Furthermore, the 2 megapixel autofocus camera allows you to document the transport damage or create signed delivery notes.
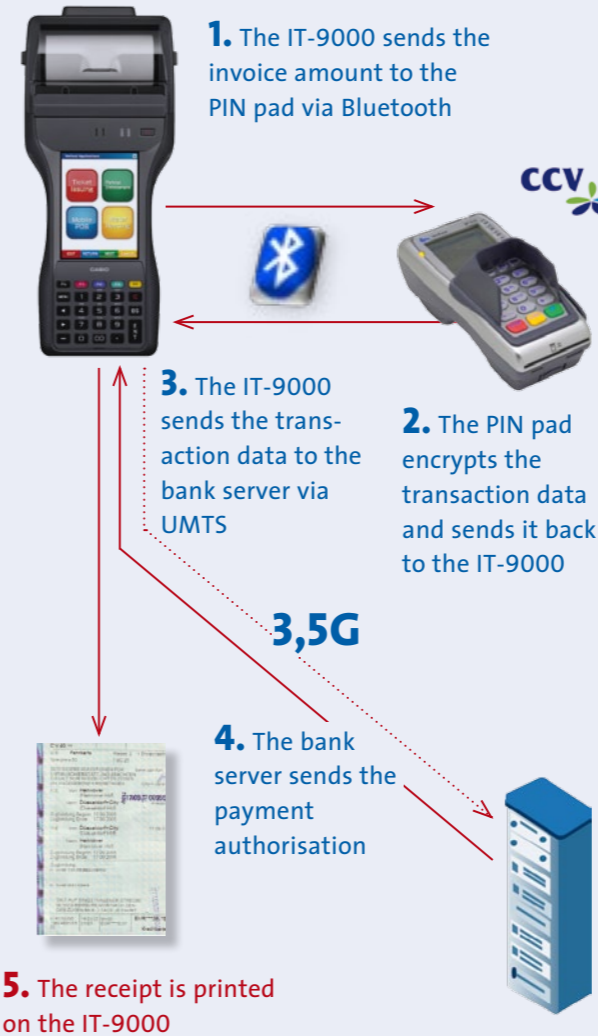
Secure mobile payments using debit and credit cards

When used in combination with a PIN pad from the CASIO partner CCV Deutschland, the IT-9000 allows you to make payments securely, quickly and most importantly, whilst on the move. In order to do so, the IT-9000 communicates with a credit card terminal approved by the German banking sector (and ZKA [Central Credit
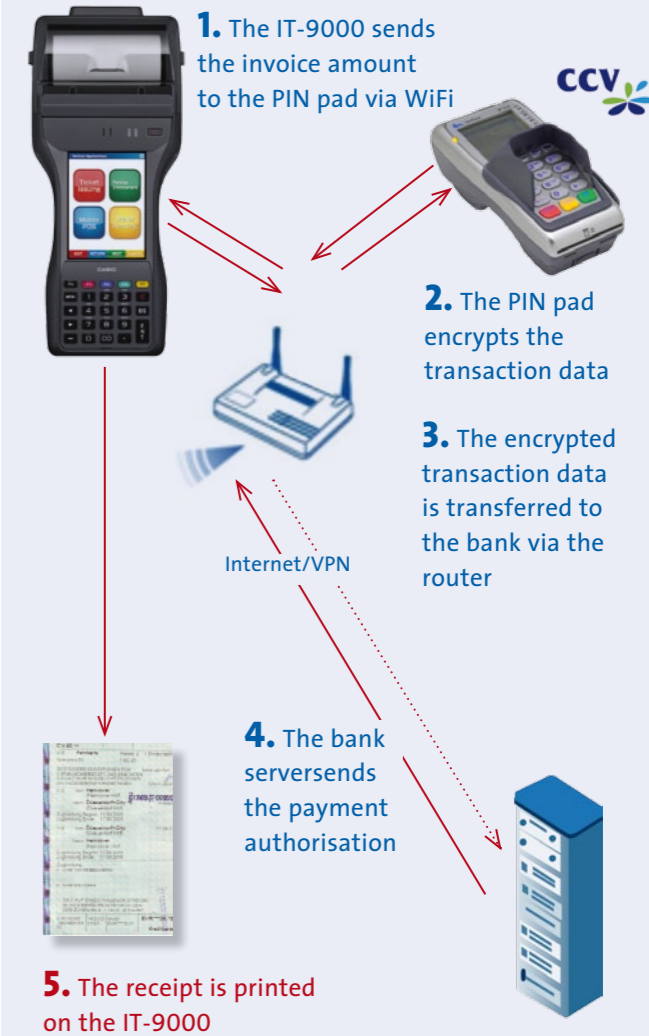
Committee]). To ensure that transactions are carried out securely, the PIN pad sends the encrypted payment data to the authorisation systems of the credit services sector via the CASIO IT-9000 UMTS connection. The result is displayed on the PIN pad and via the IT-9000 printer in accordance with the guidelines and regulations

of the credit services sector. This process allows mobile payments such as these to be displayed for the first time in accordance with the payment guarantee guidelines of the German banking sector. As far as international payment systems are concerned, there is potential for the solution to be accepted in many European countries.

Scenario 1: Useful for mobile UMTS-supported solutions

1. The IT-9000 sends the invoice amount to the PIN pad via Bluetooth

2. The PIN pad encrypts the transaction data and sends it back to the IT-9000

3. The IT-9000 sends the transaction data to the bank server via UMTS

3,5G

4. The bank server sends the payment authorisation

5. The receipt is printed on the IT-9000

Scenario 2: Useful for WiFi-supported solutions

1. The IT-9000 sends the invoice amount to the PIN pad via WiFi

2. The PIN pad encrypts the transaction data

3. The encrypted transaction data is transferred to the bank via the router

Internet/VPN

4. The bank server sends the payment authorisation

5. The receipt is printed on the IT-9000

Lock Knob

Trigger Key

Power Jack

Color Coded Function Keys

Left Side

CMOS-Imager

Status LED

Power on/off

Screen

Keyboard

Magnetic Card Reader

Laser-Scanner/ CMOS-Imager

Camera

Lock Knob

Trigger Key

SD Card Slot

Battery Case

Right Side