

FEATURES SUMMARY

**Quad-Band, EDGE Wi-Fi (WLAN 802.11b/g) On-screen userfriendly trace monitoring Open trace protocol
Full forcing, scanning capability Background and multi instance Java**



DETAILED SPECIFICATIONS

"MMI" means that the trace is available on the mobile display.

"MMI / SD storage" means that the trace is available on MMI and may be logged on SD memory for further processing or replay.

"MMI / Java" means that the trace is available on MMI or via Java for software processing.

"MMI / USB" means that the trace is available on MMI and on USB port for external processing (e.g. PC).

"MMI / USB / Java" means that the trace is available i) on MMI or, ii) via java for processing or iii) on USB port for external i (PC)

General characteristics (based on commercial range)	OT830	OT840	OT860	OT880	OT890
Weight	89g				
Talk time (approx)	4h				
Display	TFT Screen: 176x220 pixels -2 inches				
Coulours	262k				
Languages	English, Spanish, Chinese, Russian, French				
Camera	3,2Mpix fix focus				
WAP -WEB Browsing	Wap 2.0 (wsp) : Openwave 7.2.7 Web Browser (http) : Opera mini 4.0				
MMS	release 4 OMA MMS Conformance 1.2 (300KB				
Voice codec	FR, EFR, HR, AMR_FR, AMR_HR				
Call identification	Vcard, User defined image + Ringtone per contact				
Audio formats	iMelody 1.2, Midi, Wave (PCM, ADPCM) , AMR NB (player + recorder) and WB (player), AAC, AAC+				
Video	Capture download/playback: H264, 3GP, MPEG4 Streaming (*)				
Java	CLDC 1.1, MIDP 2.1 Background and multi instance management				
(*) depending on network and services configuration					
Standard and Advanced capacity	OT830	OT840	OT860	OT880	OT890
Frequency bands	GSM 850, 900, E-GSM, DCS, PCS				
GPRS and E-GPRS	Class 10 (4+1 or 3+2)				
Wi-Fi	WLAN 802.11b/g (Marvell 8388)				
3GPP Compliance	R97, R99 and R4 (user setting)				
Release 4 Optionnal features					
Support of Packet SI Status procedure	Yes	Yes	No	Yes	Yes
Extended TBF Uplink	Yes	Yes	No	Yes	Yes
NACC (Network assisted cell change)	Yes	Yes	No	Yes	Yes
Trace monitoring capacity	OT830	OT840	OT860	OT880	OT890
Serving Cell information (idle)					
Channel number, BSIC, RX_LEV	MMI*	MMI / SD storage*	MMI / USB*	MMI / Java*	MMI / USB / Java*
C1, C2, (C31, C32 if GPRS supported)	MMI	MMI / SD storage	MMI / USB	MMI / Java	MMI / USB / Java
LAC, RAC, Cell Identity	MMI	MMI / SD storage	MMI / USB	MMI / Java	MMI / USB / Java
Timeslot, Timing advance, Power level, RX_QUAL	MMI	MMI / SD storage	MMI / USB trace	MMI / Java	MMI / USB / Java
Neighbouring cell information (idle)					
Channel number, BSIC, RX_LEV	MMI	MMI / SD storage	MMI / USB	MMI / Java	MMI / USB / Java
C1, C2, C31, C32	MMI	MMI / SD storage	MMI / USB	MMI / Java	MMI / USB / Java
Cell Identity	MMI	MMI / SD storage	MMI / USB	MMI / Java	MMI / USB / Java
Full BA list RX_LEV	MMI	SD storage	MMI / USB	MMI / Java	MMI / USB / Java
E-GPRS information					
Current time slot used	MMI	MMI / SD storage	No	MMI / Java	MMI / USB / Java
Coding Scheme	MMI	MMI / SD storage	No	MMI / Java	MMI / USB / Java
RLC/LLC throughput	MMI	MMI / SD storage	No	MMI / Java	MMI / USB / Java
GMSK/8PSK MCS	MMI	MMI / SD storage	No	MMI / Java	MMI / USB / Java
GMSK/8PSK mean BEP -CV BEP	No	SD storage	No	Java	USB / Java
RLC Ack window size	No	SD storage	No	Java	USB / Java
PTMSI, IP address	MMI	MMI / SD storage	No	MMI / Java	MMI / USB / Java
QOS parameters	No	SD storage	No	MMI / Java	MMI / USB / Java
Trace monitoring capacity	OT830	OT840	OT860	OT880	OT890
Protocol messages					
GSM protocol messages	Limited Storage	SD Storage:	USB Trace:	MMI / Java:	MMI/Java, USB

	RR, MM, CC	LAPDm, RR, MM, CC	LAPDm, RR, MM, CC	LAPDm, RR, MM, CC	LAPDm, RR, MM, CC
E-GPRS protocol messages	Limited storage (GMM, SM)	SD Storage: RLC/MAC control blocks RLC/MAC data blocks headers LLC headers GMM and SM messages	No	MMI / Java: RLC/MAC control blocks RLC/MAC data blocks headers LLC headers GMM and SM messages	RLC/MAC control blocks RLC/MAC data blocks headers LLC headers GMM and SM messages
Co-channel C/I Idle	MMI	MMI	MMI/USB	MMI / Java	MMI / USB / Java
Co-channel C/I dedicated	MMI	MMI	MMI/USB	MMI / Java	MMI / USB / Java
Scenario capability (via Java midlets to be developed)	OT830	OT840	OT860	OT880	OT890
Voice calls	No	Yes	Yes	Yes	Yes
SMS	No	Yes	Yes	Yes	Yes
MMS	No	No	No	Yes	Yes
GPRS (FTP, HTTP)	No	No	No	Yes	Yes
Forcing capacity	OT830	OT840	OT860	OT880	OT890
Cell and Handover	MMI	MMI	MMI / USB	MMI / Java	MMI / USB / Java
Frequency band	MMI	MMI	MMI / USB	MMI / Java	MMI / USB / Java
Cell bar access	MMI	MMI	MMI / USB	MMI / Java	MMI / USB / Java
GPRS multislots class	MMI	MMI	No	MMI / Java	MMI / USB / Java
Coding Scheme	MMI	MMI	No	MMI / Java	MMI / USB / Java
Preferred Voice Codec control	MMI	MMI	MMI / USB	MMI / Java	MMI / USB / Java
Protocol messages modification	No	No	MMI / USB	Java	USB / Java
Services & Procedures	OT830	OT840	OT860	OT880	OT890
Location Area Update	Yes	Yes	MMI/USB	MMI / Java	Java / USB
Routing Area Update	Yes	Yes	No	MMI / Java	Java / USB
GSM Attach/detach	No	No	USB	Java	Java / USB
GPRS Attach/detach	MMI	MMI	No	MMI / Java	MMI / Java / USB
Scanning capacity	OT830	OT840	OT860	OT880	OT890
RF scanning	MMI	MMI	MMI / USB	MMI / Java	MMI / USB / Java
BSIC scanning	MMI	MMI	MMI / USB	MMI / Java	MMI / USB / Java
BCCH only	MMI	MMI	MMI / USB	MMI / Java	MMI / USB / Java
WiFi Trace	OT830	OT840	OT860	OT880	OT890
Access point information (Rx, Address, noise, channel)	MMI	MMI / SD storage	MMI / USB	MMI / Java	MMI / Java
WiFi accesspoint Scanning	MMI	MMI / SD storage	MMI / USB	MMI / Java	MMI / Java
WiFi channel distribution	MMI	MMI / SD storage	MMI / USB	MMI / Java	MMI / Java
Video Capture	OT830	OT840	OT860	OT880	OT890
USB Video Output (streaming...)	No	No	No	No	Yes
Trace storage capacity	OT830	OT840	OT860	OT880	OT890
Limited Storage -S_Cell and N_Cell data -Layer 3 messages -MM Info	Yes	Yes	Yes	Yes	Yes
Full SD trace storage	No	Yes	No	Yes	Yes
Memory card format	Micro SD	Micro SD	Micro SD	Micro SD	Micro SD
Markers capability (for mapping report)	Numeric, Vocal	Numeric, Vocal	Numeric, Vocal	Numeric, Vocal	Numeric, Vocal
Transfer to PC	Via USB	Via USB	Via USB	Via USB	Via USB
Connectivity accessories	OT830	OT840	OT860	OT880	OT890
Radio connection for external Antenna	No	No	No	No	No
USB cable	Yes	Yes	Yes	Yes	Yes
Stereo earkit	Yes	Yes	Yes	Yes	Yes
Trace interface	OT830	OT840	OT860	OT880	OT890
Protocole type	Open binary protocol (trace files)	Open binary protocol (trace files)	Open binary protocol (via USB)	Open binary protocol (trace files/java)	Open binary protocol (trace files/Java/USB)
GPS interface via bluetooth	No	Yes	No	Yes	Yes