Benefon Seraph NT

Product description

Benefon Seraph NT protection device is a personal "guardian angel". It has an unique graphical user language which makes it easy to use internationally or even without ability to read. Simple icons instruct the user which makes it especially suited for children and elderly. It can also be utilised e.g. in applications where simple usage and robustness is a must, ranging from people doing extreme sports to military purposes where a squadron leader can track troops.

Benefon Seraph NT has two buttons, a dedicated emergency button and a speaker phone functionality providing two-way communications. It has both alarm functions and also information call possibilities, all to configurable predefined numbers.

Benefon Seraph NT is also very well suited in areas such as lone-worker protection and work-flow management. It can be used for all the areas of personal and professional safety.

Order code

ZEXXXX

BENEFON

GSM STANDARDS
• EGSM900/1800MHz

GPS
• Active antenna   12 channels
• Cold Start   60s (typical)
• Warm Start   45s (typical)
• Hot Start   4s (typical)

COMMUNICATION
• MPTP (mobile phone telematics protocol)
• Voice, FR & EFR
• SMS
• Circuit Swithed Data, 14.4kbs
• AT-command interface (subset of V25TER, GSM 07.05, GSM 07.07, Benefon proprietary
• NMEA0183 2.0, subset (output only)

CONFIGURATION
• Local configuration, AT command interface with Benewin program or with custom SW
• OTA, MPTP commands to configure and control. Activation of for example tracking and emergency messaging

POWER MANAGEMENT
• Quick charger 110-230VAC
• Li-ion battery 1700mAh
12/24VDC Car charger (ZE3510)

DIMENSIONS
Benefon Seraph NT
Weight: 160g
Size: 129x49x26mm
(w/o GSM antenna)

ENVIRONMENTAL
Protection: IPX4(w/ supplied rubber seal)

LIMITATIONS OF USE
•GPS only works with unobstructed view to satellites
• Communication only works, with valid SIM and operational GSM network

FEATURE HIGHLIGHTS:
• Dedicated Emergency call /SMS input
• 112 emergency call even without valid SIM-card
• Remote On/Off timer, periodical operation
• Tracking, various triggers
• Geo fencing, several simultaneous areas
• Simple location request with history log
• Remote configuration of all settings
• Data capability NMEA & GSM data

Operating range from -20C to +55C (charging only above +0C). Fully autonomous operation with integrated high gain GPS antenna, GSM antenna (optional cross country antenna ZE2102) and battery.

Support for Mobile Phone Telematics Protocol (MPTP) offering e.g. remote control/configuration, position request, multiple geo fencing and battery report. AT-command interface. Circuit Switched Data and NMEA data ports.

REFERENCES
Further details & specification documents:
www.benefon.com/products/seraph

OPERATING TIMES W/1700 Battery

Continuos operating mode	StBy/GSM ON	GSM Talk	GPS Full Power	GPS Economy
Operating time	100h-280h	5h-15h	22h	48-77h

Operating times can vary substantially depending on distance to base station, SIM card, temperature, network settings, network usage, GPS operating mode, GPS satellite visibility and GPS usage. Presented values are calculated at +20C in typical conditions.

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