advanced PANMOBIL® systems

powerlineECCO+

data sheet

Compact and High-Performance
The powerlineECCO+ combines „State-of-the-Art“ technology in a compact and robust design with advanced AutoID functionality. The hybrid system with the capability of reading 1D and 2D Codes as well as reading and writing RFID UHF tags combined with the most common communication interfaces. These interfaces like USB, Bluetooth and WiFi, ensures the usage in different applications like logistics and transportation, Asset-Tracking, Healthcare, E-Ticketing, Job-Costing and many others.

Tailored for numerous logistics applications
Based on the ARM9 CPU with 400MHz and the Linux operating system the powerlineECCO+ can be adapted individually into existing applications. With the provided Universal Software the device function can be determined by easy configuration, without software development knowledge, supported by the user friendly graphical interface “Universal Configurator”. For applications were complex data processing is required, the device can be individually programmed in C/C++ using the available SDK with a lot of source code samples.

Ergonomic, small and light weight
Thanks to the ergonomic design, the low weight and the easy handling, the powerlineECCO+ guarantees a very high user acceptance. As a handy device it is easy to carry in the pocket, on a neck lanyard or in a belt pouch.

Ruggedized for use in industrial environments
With a double wall ABS plastic housing encased in a protective rubber the powerlineECCO+ withstands multiple drops from 1.6 meters to concrete. The IP 64 rating allows the use in very dusty and humid environments. The powerlineECCO+ withstands even the brief dip into water. Thanks to the integrated high capacity battery the operation time is well over a single working shift.

The change artist
A unique feature is its changeable top cover. Self-explaining button caption as well as individual color and logos are making the powerlineECCO+ easily adaptable to any corporate identity policy.

High Quality “Made in Germany”
Convinced of the quality of the powerlineECCO+ PANMOBIL grants a warranty period of 24 month including a 24 hours exchange service for defects occurring during this warranty period.

AutoID Made in Germany

powerlineECCO+

CPU	ARM9, 400 MHz
Memory	128 MB RAM / 500 MB Flash (extendable to up to 32 GB factory installed)
Proof of Data	Non volatile memory
Date/ Time	Realtime clock
Interface	USB Mass Storage/ USB HID/ USB Ethernet/ USB Serial
Programming	SDK/ C++
Configuration	Universal Configurator
System Support	Windows Vista/ XP/ Win 7 (32 and 64 bit)/ Server 2003/2000
Wireless	Bluetooth Class 2, HiD or SPP master/slave WiFi 802.11b/g
Audio	Speaker
LED	Red/Green/Yellow/Blue
Keyboard	4 Keys; Each key is programmable
Vibration	Vibration feedback (optional)
Barcode	**2D Imager** DataMatrix, QR Code, Micro QR, Aztec Code, Maxi Code, PDF417, MicroPDF **1D Laser Module** EAN-8, EAN-13, UPC-A, UPC-E, Code128, Code39, Code93, Interleaved 2of5, Chinese 2of5, Codabar, Codablock_F **Depth of Field** 4mil 20mm-85mm 10mil 20mm-230mm 15mil 60mm-440mm 40mil 180mm-760mm **Barcode configuration via pc software**
RFID	UHF 860-960 MHz, EPC GEN 2 ISO 18000-6C (optional)
Size	87x48x26 mm
Weight	98 g
Housing	Double wall Inside: Strong ABS Outside: Stressable rubber
Battery	Lithium-Ion 1250mAh; Recharging via USB port
Power Consumption	Working: Batch 1D Laser 80mAh, Batch 2D Imager 130mAh Wireless communication: Bluetooth 40mAh (additive), WiFi 40mAh (additive) Idle: 60mAh Power off: ‹ 0.5mAh
Protection Class	IP 64
Shock Resistance	1,6 m to concrete surface
Temperature	operating temperature: 0 °C to +50 °C storage temperature: -20 °C to +60 °C
Humidity	5% to 95% (non-condensing storage)

Accessories

Power Adapter

Nylon case

Shirt Clip

Belt Clip

Safety Lanyard

Car Recharging Adapter

Exchange Service 24h Austausch im Servicefall

2 Years Warranty 2 Years Warranty 2 Jahre Garantie

Made in Germany

RoHS

CE

Made for iPod iPhone iPad

android

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