



smart **SCANNDY**

BATCH

BARCODE

1D

2D

RFID

BLUETOOTH

USB





To grant High Quality and State of the Art Knowledge, PANMOBIL is member of most important associations related to the AutoID Technology.



Collecting data: compact but without any compromises.

Precise data collecting: Online via Bluetooth or USB connection or in Batch mode without any host connectivity.

Time is gone for troublesome data collecting on paper with all its problems of misunderstanding. The modern way of collecting data is focused on direct connectivity via Bluetooth or easy batch operating (synchronizing data automatically without user access).

Warranty for perfect technology is a high concentration of experience.

The PANMOBIL developing team, as well as the controlling, is proudly looking back of 27 years of experience in developing and producing peripherals and systems for the AutoID market. Base for PANMOBIL products are encountered experiences in various international solutions and projects.

The active membership in leading associations and communities does insure the PANMOBIL certificate: "Know-How = State of the Art"

Quality made in Germany



Made in Germany

In times everybody is talking about the global market and maybe even because of the dominance of American and Asian AutoID manufactures, we are proud of that PANMOBILE technology is Made in Germany. This Quality certificate is a major decision maker. On top there is the "short wire" to get in touch with the producer. PANMOBIL is located in the middle of EUROPE in Cologne. The big plus in terms of Support and Service.



smart **SCANN DY**

Barcode and RFID

Collecting data means using present and future orientated AutoID-technologies.

The well known 1D and 2D barcode technologies are approved, but the advance use of new technologies such as RFID is not about to stop. Being able to rewrite an RFID tag as well as being able to read it without seeing it are just two of the large variety of chances to speed up data collecting today and in the near future.

The Multi-talent smartSCANN DY will host all modern scan-technologies.

The scan technology for barcode can chosen out of a range of readers pending on the aimed application.

SmartSCANN DY is the first product, where all proofed Barcode technologies and RFID technologies are combined in a compact solution with multiple interfacing in a robust casing.



1D Barcode

A Japanese High-Tech, High Quality Laser module will guarantee exact and fast reading results. It will read poor quality printed barcodes. The large depth of field makes SCANN DY very easy to operate, especially for untrained users.

2D Barcode

Collecting 2D barcodes is done by a CMOS-optic with up to 3Megapixles. This camera can also read 1D barcode and control and recognize even product structures and colours. Taking pictures for documentation is also one of the features.

RFID

The build in RFID unit allows the reading and writing of RFID tags in low and high frequency. Pending on customers request smartSCANN DY can be delivered with and without barcode and/or RFID reader.



Being a real multitasked scanning device smartSCANN DY can read Barcode and RFID simultaneously.



smart **SCANNDY**



smartSCANNDY

the „My Scanner“

- More then 30.000 Laser-scan every 4s with only one batterie set
- Collecting of 1D- and 2D Barcode and RFID
- Bluetooth connection
- Build in USB connector
- Realtime-Clock
- easy usage of hard- and software, no spezial training needed
- Made in Germany

24 hour usage or occasional use, the ergonomic design of SCANNDY makes the users feeling comfortable working with the data collector. If not in use, SCANNDY can slip in your shirt pocket or hide into a leather, rubber or nylon bag fixed to the user's belt.



Compact and handy: smartSCANNDY



Choose your power source:
Standard batteries out of the shop
or rechargeable Lilon batteries

Keyboard

Key it simple: two free configurable keys, pending on user application (f.e. for collecting or deleting of orders or storing workflow) and one securely placed ON/OFF key, protected against uncontrolled operating.

Power supply

Standard **AAA batteries** or one **Li-Ion** changeable rechargeable battery, which can be rechargeable via the USB connection.

There is an additional recharging unit available, which can be used to recharge a spare battery, as well a separate power supply being connected to the USB connector.

One battery gives smartSCANN DY power enough to read more the 30.000 scans every 4 second.

ARM inside!

Base for the SCANN DY high performance operating system is the **32 Bit ARM** Technology which speeds up any application and allows direct Internet connectivity.

In Time

A time-stamp can be added to every scan, thanks to the **build in real-time clock**.

The precise internal clock does synchronizes itself each time being connected to the host system by using the intelligent PANMOBIL DLL.

Magic pen in the backpack

Is smartSCANN DY working hand in hand together with a Table-PC, Pocket-PC, a PALM or any kind of touch-screen based system, smartSCANN DY offers his **hid able pen**, to operate the target system.

To protect and hide the magic pen, the smartSCANN DY back has to be turn around by 180°.

For the rugged usage: IP 54

Thanks for the double wall system of smartSCANN DY it becomes an all-around trouble less product. **The soft rubber outside does protect smartSCANN DY against damage while being dropped over a height of 2m to concrete. The double wall technology keeps the scanning-technology free from water and dust.**



Being fixt by the belt clip, smartSCANN DY is allways ready to use



The magic pen out of the backpack – learned by doing



The clever combination of pen-clip and belt-clip allows smartSCANN DY to be fixed everywhere



smart **SCANNDY**

SmartSCANNDY – versions

The right technology for any application



Data transmission will automatically be activated in Batch mode, when smartSCANNDY is connected to the USB connection.

Batch-Scanner

The data collector

Equipped with own power pack, smartSCANNDY does collect all data mobile and transfers the data after being connected to USB. This transfer can be automatically thanks to smartControl technology. All data, which are on request combined with timestamp will be directed to the predefined application (such as Excel, Word, Excess ...) and if requested also automatically started. For additional use there is also the possibility to use open or append a standard ASCII or text file.

Funk-Scanner

The Online scanner

In case smartSCANNDY is equipped with Bluetooth, all barcode or RFID data will be transmitted without time delay.

The communication between smartSCANNDY and host is bidirectional, which enables the application software at host side to start the scan action at smartSCANNDY side as a remote control function. This additional feature does improve the reliability of the whole application.





Just Barcode scanner 1D or/and 2D

The classical compact Barcode genius does read 1D or 2D Barcodes, pending on the reading engine inside. In case of laser it is 1D only, in case of CMOS camera 1D and 2D can be decoded. The data can be stored inside smartSCANNNDY or being direct transmitted via Bluetooth or USB.

Just RFID scanner HF or LF

The compact mobile RFID reader and writer can store or direct transmit all decoded data via Bluetooth or USB.

Multi reader for Barcode and RFID

In case of multi-reading the intelligent operating system inside smartSCANNNDY does show it's capability: It does automatically recognize, whether a barcode or RFID tag is presented to be decoded.

Fixed/Wired operation

Of corse, smartSCANNNDY can also being used as a standard reader with fixed, cabled connection via USB or optional RS232 or keyboard.

The scanning device for all purpose:

Mobil and fix

On purpose smartSCANNNDY does do it's job as a fix or mobile scanner. The mode switching is done by just reading one "Switch-Barcode".

Presentation-Scanner

SmartSCANNNDY being switched into the Presentation mode smartSCANNNDY is working in a standby functionality. Operating in Stand-By smartSCANNNDY does not scan 100 times per second as usual, the scan engine inside is working in detect mode, what means scanning only 2 times a second, just to see whether a barcode is presented onto the scanner. In case of detecting a barcode, full power scanning will be switched on automatically and smartSCANNNDY is back to normal work. This mode allows a always on scanning without wasting power and performance to insure a long life operation of the laser diode.

SmartSCANNNDY – versions:





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Compact and competent = smartSCANN DY

Smart applications

Shop solution

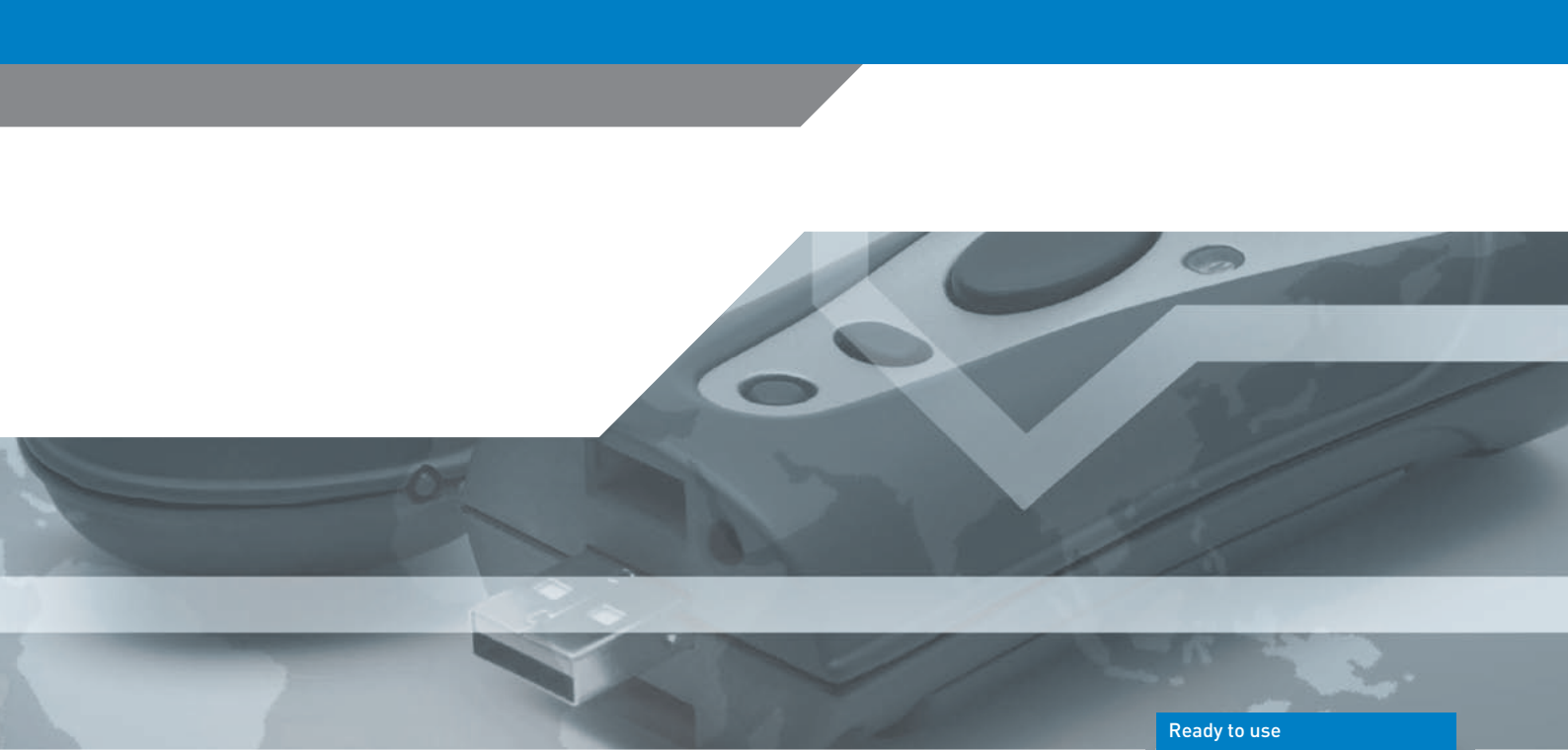
One product for multipurpose usage: Placed on the counter desk, smartSCANN DY is ready for continues use as a presentation scanner, always ready to recognize the products placed onto it's face. Direct cable connected he switches automatically into a power and laser engine saving mode, by scanning twice all second to find out whether a barcode is in sight. Is a barcode recognized smartSCANN DY falls back into it's aggressive scanning mode.

Shop inventory and checking of good coming in or going out of stock are more easy scanned with a mobile scanning system.



At that point smartSCANN DY does show it's multistage: When unplugging smartSCANN DY from cable it automatically switches into it's mobile mode. Data collecting is now done in batchmode (more then 200.000 barcode can be stored). After successful data capture smartSCANN DY will be connected back to the host system and thanks to the easy SCANN DYcontrol system all data will be stored in a predefined place on your system or directly been monitored and added with software like Excell or any other document editing package. Direct online scanning with up to 100m is also possible when using smartSCANN DY with build in Bluetooth connectivity. In case of RF connection all scanned data will updated just in time with the central database.





Ready to use

Healthcare

Modern healthcare is driven by strong requests on back tracing of procedures in case of cleanliness and patients care. On the other hand a high cost pressure does reduce investments.

The scan-all-rounder smartSCANNNDY does fit exactly to support the requested help needed. Thanks to its easy to use and easy to carry (smartSCANNNDY does fit in any doctor or nurse pocket, to ready to collect all data to control procedures or to check treatments or even to update databases.



CODABLOCK and HIBC, as well as Pharmocode and the more and more upcoming 2D code in the healthcare industry can be decoded and used. Beside this, all other barcode which are popular belong to smartSCANNNDY knowledgebase. RFID technology is coming up more and more in the healthcare business. RFID is the best way to 100% identify the right product, person or treatment. SmartSCANNNDY can be equipped with a read- and write unit to operate LF and HF Trans-

ponder technology. Both decoding technologies, Barcode and RFID can be integrated and working simultaneously side by side.

In hospital mobile PC's are very popular. SmartSCANNNDY can be online connected using its Bluetooth connectivity. In case of Pen-based PC's smartSCANNNDY offers a very small but even powerful tool. After twisting smartSCANNNDY's USB-cab a small pen does come out of the housing to be used for pen based input on the PC or smart-phone screen. SmartSCANNNDY does support fast and accurate data handling by all ways.





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Compact professional tool



Compact and competent = smartSCANN DY

Smart applications

Asset Management

To control and register all inventory once or checking their right operation and handling continuously, perfect asset management is going to be more and more important, to save investments and to insure their reliability. An easy to use scanning system, always ready in standby is needed. SmartSCANN DY is made for the rugged usage (IP54) and easy to operate and to carry, just two key and being fixt at the workman's belt or in a nylon case.

RFID is coming up to be used for checking dirty or covert products as well as being 100% sure that the right product was checked in time and without any doubt by the right person in charge. There is no way to make copies like using barcode only. On the other hand information can be stored into the RFID tag as well, to give information for next user.

Of course 1D and 2D barcode can be decoded as well at same time and being stored (up to 200.000) into smartSCANN DY.

In case of Bluetooth option included, smartSCANN DY can direct transfer all decoded data to an mobile or fix PC- or PALM system.

Cleaning service

Cleaning buildings is bayed by time, square meter, kind of cleaning or by location. The cleaning personal has to record all his way of doing, to enable clear calculations. Smart SCANN DY is the right choice to make this job easy and clear even to people, which are not familiar to operate scanning devices. The IP54 waters splash and dust protection, as well as the possibility to drop the product makes smartSCANN DY rugged enough to be a real tool. The possibility of barcode 1D or 2D as well as reading RFID is a key point in flexibility. To be sure that barcodes are not copied to get an easy job by scanning copies instead of being at the place, RFID is a big help. Workers personal identification as well as the places to clean can be indicated by Transponder tags. In case of various action to be done, a list of things to be done can be read by the cleaning personal to store more detailed information of place and work. A timestamp will always be stored at any data collection.

Thanks to SCANN DYeasy control software, all data can be stored to any PC or to any Internet based database or Website automatically after connecting smartSCANN DY to USB.



Easy-SCANN DYcontrol

Smart software

Excel-Direct-Transfer

Easy-SCANN DYcontrol does Up- and Download data automatically without user notice. Collected data can be **transferred into Microsoft Excel® without any user action**. Data can be directly used, edited, modified, printed or transferred in the usual way. The free selectable destination where to store the data in combination with a date and time stamp market in the filename offers maximum on flexibility in data handling.

A	B	C	D	E	F	
1	Datum	Personalmr.	Modus	Artikel	Menge	Lagerort
2	2006-11-14 10:53:50	1505	INV	40029956895	47	B73
3	2006-11-14 10:59:14	1505	INV	40029948706	4	B74
4	2006-11-14 10:59:15	1505	INV	40029946827	76	023

Direct Web-Access

When using Easy-SCANN DYcontrol-mode the **direct access to any Web-Shop-Portal** f.e. to transmit orders or to access an Internet based database, will be operated automatically without user activity. Just plugging smartSCANN DY into the USB port and SCANN DYcontrol will do the Web connection and data transfer automatically. SmartSCANN DY makes Web-Usage easy and affordable.

Online Ordering

SCANN DYcontrol does present it's performance with Online Ordering: The customers does use the PANMOBIL scanners without any training, because of the intelligent software-control whin transfer their orders via there personal PC connected to Internet to transfer the data direct into the host SAP system.

This is the way the ordering procedure goes:

- 1 Scanning of the desired barcode (either from the used box or out of a barcode list).
- 2 Connecting smartSCANN DY to the USB port (or serial port)
- 3 Thanks to SCANN DYcontrol an automatic connection between PC/Internet/SAP will be established and the data will be transmitted from smartSCANN DY to SAP.
- 4 Pending on request the Internet-Shop can send back an order-acknowledgement or allow to edit the order. The order is done.

Mailorder Shop

smartSCANN DY also allows ordering out of catalogues which have no barcode printed. In case of no Barcode smartSCANN DY will learn the printed font and translate into article numbers. SmartSCANN DY can be trained on any optical readable structure.

Already more then 35.000
Memo-SCANN DY in daily usage
at Würth customer side.



The SCANN DYcontrol Software
does automatically transfer all data
into Shop applications.





smart **SCANN DY**

smartSCANN DY – Performance data:

	smartSCANN DY 1D	smartSCANN DY 2D	Option	Accessories
CPU	ARM 7 (32 Bit)	ARM 9 (32 Bit)		
Memory	2 MB (für z. B. 200.000 EAN-Barcodes)	16 MB	2 GB	
Proof of data	Non floating memory	Non floating memory		
Date/Time	Realtime clock	Realtime clock		
Interface	USB	USB	USB (HID)	USB (HID)
			PS/2 keyboard	PS/2 keyboard
			V24/RS232	V24/RS232
Bluetooth			Bluetooth (MTSU-WML-C20-NH)	
			Class1=100m oder Class2=10m	
Audio	Speaker	Speaker		
	WAV - Dateien	WAV - Dateien	MP3	
LED	Red / Green / Yellow / Blue	Red / Green / Yellow / Blue		
Button	2 Free programmable	2 Free programmable		
	1 ON/OFF	1 ON/OFF		
Barcode	1D Laser Class1	2D CMOS Kameramodul	 <p>OEM welcome! Ask for your colour and Company – Logo. Get in touch with us!</p>	
	EAN/UPC 8, EAN/UPC 13, Code 39, Code128, EAN 128, Code 2/5 interleaved, CODABLOCK, HIBC, Pharmacode	PDF417, MicroPDF417, MaxiCode, Data Matrix, QR Code, Aztec, Aztec Mesa, Code 49, EAN/UCC Composit EAN/UPC 8, EAN/UPC 13, Code 39, Code128, EAN 128, Code 2/5 interleaved, CODABLOCK, HIBC, Pharmacode, OCR Typs		
RFID			LF: 125/134kHz	
			HF: 13,56 MHz Mifare	
			HF: 13,56 MHz I-Code	
			NFC	
Rechargeable batterie			Li-Ion 1000 mAh	Li-Ion 1000 mAh
Recharging	Via USB or optional power supply	Via USB or optional power supply		Netzteil
Standard batteries	3 x Micro AAA batteries	3 x Micro AAA batteries		
Clock batterie	During batterierechange	During batterierechange		
Dimensions	116 x 50 x 31 mm	116 x 50 x 31 mm		
Weight	80 g	80 g		
Housing	Double wall	Double wall		
Inside	Shockresistant ABS	Shockresistant ABS		
Outside	Stessable rubber	Stessable rubber		
Temperature range	- 10°C bis +50°C	- 10°C bis +50°C		
Protection Class	IP 54	IP 54		

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