LABEL PRINTERS
Vita II Series

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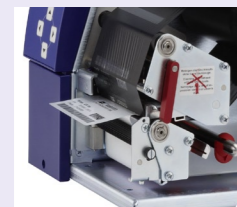## MORE FLEXIBILITY. MORE EFFICIENCY. MORE RELIABILITY.

The Vita II series combines flexibility, efficiency and reliability to a compact technology on smallest space. Thanks to its up-to-date technique the Vita II is best-prepared for future requirements. It goes without saying that all printers of this series are equipped by default with LAN 802.3 10/100 interface and an USB host to connect USB keyboard and memory stick. Beyond that the Vita II series is suitable for working in stand-alone mode owing to the large graphic display.

Beside the current printheads for thermal transfer printing we provide long-living printheads particularly for thermal direct printing. For applications with extremely fine graphics or small fonts a high-resolution printhead with 24 dot/mm (600 dpi) is offered.

» Stand-Alone Mode
Owing to equipment by default with a twofold USB host for connection of an USB keyboard and a memory stick as well as a drive for Compact Flash cards this printing system is best to use in stand-alone mode. With the large graphic display now keyboard inputs as well as international character sets and special characters can be indicated comfortably.

» Dispenser Unit
The dispensing unit separates the label from backing paper and provides it for further processing. After removing the label another print order is activated by dispensing photocell or an external impulse. The backing paper is again rolled up with the external rewinding unit PR 49.

» Cutter Unit
The new developed cutter unit (guillotine) replaces the rotation cutter used previously. Advantages result regarding the accessibility for cleaning and maintenance as well as for paper thickness which was increased to 220 g/m².

» Powerful Ports
The printers of Vita II series are equipped with four efficient internal interfaces by default. In addition to a serial, parallel and USB interface an internal LAN 802.3 10/100 interface for connection in network was added. For wireless data transmission the printer can be equipped with a WLAN 802.11 b/g interface optionally. Moreover an USB host for connection of an USB keyboard and a memory stick is integrated.

» External Rewinder Units
With the external rewinder PR 48 labels up to a diameter of 180 mm can be rolled up. The rewinder is connected directly with the printer and needs no own mains supply. The rewinding unit PR 49 serves to roll up backing paper in dispensing mode of printer.

» Thermal Transfer or Thermal Direct Printing
For thermal transfer printing the Vita II series provides different print resolutions (200 dpi, 300 dpi and 600 dpi).
In thermal direct printing mode the customer can decide between print resolutions of 200 dpi and 300 dpi. Special printheads with high lifetime in thermal direct printing are used.

Vita II Series
Specifications

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Printer model	Vita II 103/8 T	Vita II 104/8	Vita II 106/12	Vita II 106/24	Vita II 108/12 T
Print resolution	203 dpi	203 dpi	300 dpi	600 dpi	300 dpi
Max. print speed	200 mm/s	200 mm/s	150 mm/s	150 mm/s	150 mm/s
Print width	104 mm	104 mm	105.7 mm	105.7 mm	108.4 mm
Passage width	116 mm	116 mm	116 mm	116 mm	116 mm
Printhead Flat	Flat Type (for thermal direct use)	Flat Type (for thermal transfer use)	Flat Type (for thermal transfer use)	Flat Type (for thermal transfer use)	Flat Type (for thermal direct use)
Labels					
Labels, continuous rolls or fan-fold	paper, cardboard, textile, synthetics				
Max. material weight	220 g/m² (larger on demand)				
Min. label width	12 mm				
Min. label height Standard Cutter/dispenser mode	5 mm 15 mm				
Max. label height	6000 mm (higher on demand)	6000 mm (higher on demand)	3000 mm (higher on demand)	1000 mm (higher on demand)	3000 mm (higher on demand)
Max. roll diameter Internal unwinder External unwinder	180 mm 300 mm				
Core diameter	40 mm / 75 mm (optional)				
Winding	outside or inside				
Label sensor	transmission and reflexion from bottom				
Transfer ribbon					
Ink	outside or inside				
Max. roll diameter	Ø 80 mm				
Core diameter	25.4 mm / 1"				
Max. ribbon length	300 m				
Max. width	110 mm				
Dimensions					
width x height x depth	236 mm x 238 mm x 374 mm				
Weight	11 kg				
Electronics					
Processor	High Speed 32 Bit				
RAM	16 MB / 64 MB (on demand)				
Slot	for Compact Flash Card Typ I for wireless LAN card				
Battery	cache for Real-Time Clock (storage of data with shut-down)				
Warning signal	acoustic signal when error				
Interfaces					
Serial	RS-232C (bis 115200 Baud)				
Parallel	Centronics nach IEEE 1284				
USB	2.0 High Speed Slave				
Ethernet	10/100 Base T, LPD, RawIP-Printing, DHCP, HTTP, FTP				
2 x USB Master	connection for external USB keyboard and USB memory stick				
WLAN (optional)	card 802.11b/g WEP/WPA PSK (TKIP)				
Operation data					
Power supply	110-230 V / 50-60 Hz				
Power consumption	max. 150 VA				
Operating temp.	5-35 °C				
Max. humidity	max. 80% (not condensing)				
Fonts					
Font types	6 Bitmap fonts, 6 Vector fonts/TrueType fonts, 6 proportional fonts, other fonts on demand				
Character sets	Windows 1250 up to 1257, DOS 437, 850, 852, 857, all West and East European Latin, Cyrillic, Greek, Hebrew and Arabic character sets are supported, other character sets on demand				
Bitmap fonts	size in width and height 0,8-5,6, zoom 2-9, orientation 0°, 90°, 180°, 270°				
Vector fonts/TrueType fonts	6 BITSTREAM® fonts, size in width and height 1-99 mm variable zoom, orientation 360° in steps of 90°				
Font attributes	depending on character font, bold, italic, inverse, vertical				
Bar codes					
1D bar codes	CODABAR, Code 128, Code 2/5 interleaved, Code 39, Code 39 extended, Code 93, EAN 13, EAN 8, EAN ADD ON, GS1-128 (EAN 128), Identcode, ITF 14, Leitcode, Pharmacode, PZN Code, UPC-A, UPC-E				
2D bar codes	CODABLOCK F, DataMatrix, MAXICODE, PDF 417, QR Code				
Composite bar codes	GS1 DataBar Expanded, GS1 DataBar Limited, GS1 DataBar Omnidirectional, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Truncated				

» NOVELTIES

- large graphic display (favourable for indication of international character sets as well as special characters) with 132 x 64 pixels and white background lighting
- USB Host for connection of USB keyboard and memory stick as well as a slot for Compact Flash cards
- interfaces by default: Serial, parallel, USB, LAN 802.3 10/100
- optional WLAN 802.11 b/g interface
- print resolutions of 200 dpi, 300 dpi and 600 dpi
- new developed cutter unit
- printer drivers for Windows XP®, Server 2003®, Server 2008®, Vista® and Windows 7®

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Modifications subject to change