



HP Color LaserJet Enterprise M555 Printer series

Future-proof performance for whatever business brings



Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. Learn more at: <http://www.hp.com/go/learnaboutsupplies>



Low energy



Color touchscreen



Wireless direct



NFC



HP JetAdvantage compatible

The world's most secure printing¹

- The operating code (BIOS) is automatically checked during startup and repairs itself if compromised.
- Common Criteria certified² to continually monitor memory activity to detect and stop attacks in real time.
- Firmware is automatically checked during startup to determine if it's authentic code – digitally signed by HP.
- The printer's outgoing network connections are inspected to stop suspicious requests and thwart malware.

Easy to use, simple to manage

- HP FutureSmart firmware can be updated with the latest features³ to optimise your investment for years to come.
- Centralise control of your printing environment with HP Web Jetadmin – and help build business efficiency.⁴
- Easily enable workflows across your fleet with a consistent user experience and intuitive, tablet-like icons.
- Expect consistent, high-quality results with technology that automatically adjusts print settings to paper type.

Enhanced productivity to empower workgroups

- Give workgroups what they need to succeed. Easily choose and deploy hundreds of HP and third-party solutions.
- Keep your office connected. Built-in Ethernet and Dual-band Wi-Fi⁵ connectivity let you share printing resources on a network.
- Easily manage jobs directly at the printer with a customisable 10.9 cm (4.3 inch) colour touchscreen.
- Spend less time loading paper with up to three input trays for an additional capacity of 2,300 sheets.

Sustainability is smart business

- Help save paper right out of the box. Two-sided (duplex) printing is set at default for automatic savings.⁶
- Help reduce wasted paper and toner by only printing jobs that are truly needed, using HP Roam for Business.⁷
- Help save energy intelligently by using only the power you need with HP Auto-On/Auto-Off Technology.⁸
- Help reduce your impact. Count on easy cartridge recycling at no charge with HP Planet Partners.⁹

Product walkaround

HP Color LaserJet Enterprise M555x shown

1. 250 sheet output bin
2. Front door for access to Original HP Toner cartridges with JetIntelligence
3. Automatic two-sided printing (default)
4. 10.9 cm (4.3-inch) colour graphics display with touchscreen
5. Hardware Integration Pocket (for connecting accessory and third-party devices)
6. Easy-access USB port
7. Convenient front on/off switch
8. Right door for clearing jams and access to the fuser
9. 100 sheet multipurpose tray 1
10. Lower right door for clearing jams
11. Two 550 sheet input trays for a 1,200 sheet total input capacity
12. Slot for cable-type security lock
13. Gigabit Ethernet network port
14. Hi-Speed USB 2.0 printing port
15. Hi-Speed USB 2.0 port for third-party devices



Series at a glance



Model	HP Color LaserJet Enterprise M555dn	HP Color LaserJet Enterprise M555x
Product number	7ZU78A	7ZU79A
Print speed (A4)	Up to 38 ppm	
Automatic two-sided printing (default)	Yes	
100 sheet multipurpose tray 1 and 550 sheet input tray 2	Yes	
550 sheet input tray 3	Optional (up to 3)	Yes (plus up to 2)
Input capacity (standard/maximum)	Up to 650/2,300 sheets	Up to 1,200/2,300 sheets
Printer stand	Optional	
Control panel	10.9 cm (4.3-inch) colour touchscreen	
Memory (standard/maximum)	1 GB / 2 GB	
HP High-Performance Secure Hard Disk	Optional	
Hardware Integration Pocket (HIP)	Yes	
Dual-band Wi-Fi with Bluetooth® Low Energy, Wi-Fi Direct®	Optional	Yes
ENERGY STAR® qualified (Blue Angel certified)	Yes	

Accessories, Supplies and Support

Supplies	B5L36A HP Color LaserJet B5L36A 220V Fuser Kit (Average yield 150,000 pages)
	B5L37A HP Color LaserJet B5L37A Toner Collection Unit (Average yield 54,000 pages)
	W2120A HP 212A Black Original LaserJet Toner Cartridge (5,500 pages)
	W2120X HP 212X High Yield Black Original LaserJet Toner Cartridge (13,000 pages)
	W2121A HP 212A Cyan Original LaserJet Toner Cartridge (4,500 pages)
	W2121X HP 212X High Yield Cyan Original LaserJet Toner Cartridge (10,000 pages)
	W2122A HP 212A Yellow Original LaserJet Toner Cartridge (4,500 pages)
	W2122X HP 212X High Yield Yellow Original LaserJet Toner Cartridge (10,000 pages)
	W2123A HP 212A Magenta Original LaserJet Toner Cartridge (4,500 pages)
	W2123X HP 212X High Yield Magenta Original LaserJet Toner Cartridge (10,000 pages)
Accessories	ZMU47A HP Accessibility Assistant
	ZNR12A HP Removable Hard Drive Enclosure
	3JN69A HP Jetdirect 3100w BLE/NFC/Wireless Accessory
	5EL03A HP Secure Hard Disk Drive with FIPS Validation (TAA Compliant)
	8FP31A HP Jetdirect LAN Accessory
	B5L28A HP Internal USB Ports
	B5L29A HP High-Performance Secure Hard Disk
	B5L34A HP Color LaserJet 550-sheet Media Tray
	B5L51A HP Color LaserJet Printer Cabinet
	G6W84A HP 1 GB 90-pin DDR3 DIMM
	X3D03A HP Universal USB Proximity Card Reader
Y7C05A HP HIP2 Keystroke Reader	
Service and Support	U8CG3E HP 3 year Next Business Day for Color LaserJet M55x service
	U8CHOE HP 4 year Next Business Day for Color LaserJet M55x service
	U8CH1E HP 5 year Next Business Day for Color LaserJet M55x service
	U8CJ4PE HP 1 year Post Warranty Next Business Day for Color LaserJet M55x service
	U8CJ7PE HP 2 year Post Warranty Next Business Day for Color LaserJet M55x service
	U9JT1E HP Installation Service with Network Configuration for Personal Scanner and Printer (1 unit)

Technical specifications

Model	HP Color LaserJet Enterprise M555dn	HP Color LaserJet Enterprise M555x
Product number	7ZU78A	7ZU79A
Functions	Print	
Control panel	10.92 cm touchscreen with colour graphics	
Print		
Print technology	Laser	
Print speed ¹	Black (A4, normal) Up to 38 ppm; Colour (A4, normal) : Up to 38 ppm; Black (A4, duplex) : Up to 38 ipm; Colour (A4, duplex) : Up to 38 ipm;	
First page out ²	Black (A4, ready) : As fast as 6.7 sec; Colour (A4, ready) : As fast as 7.6 sec; Black (A4, sleep) : As fast as 9 sec; Colour (A4, sleep) : As fast as 9 sec;	
Print resolution	Black (best) : HP ImageREt 3600; Colour (best) : HP ImageREt 3600; Technology : HP ImageREt 3600, Pantone Calibrated;	
Monthly duty cycle	Up to 80,000 pages A4; Recommended monthly page volume : 2,000 to 10,000	
Printer smart software features	Apple AirPrint™, Mopria-certified, HP ePrint, ROAM optional for easy printing, Open Extensibility Platform, FutureSmart Firmware, Instant-on Technology, HP Auto-On/Auto-Off technology, Easy Access USB, Two-Sided Printing, Hardware Integration Pocket, Intuitive 4.3" touchscreen control panel, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs	Apple AirPrint™, Mopria-certified, HP ePrint, ROAM capable for easy printing, Wi-Fi Direct Printing, Bluetooth® Low-Energy, Open Extensibility Platform, FutureSmart Firmware, Instant-on Technology, HP Auto-On/Auto-Off technology, Easy Access USB, Two-Sided Printing, Hardware Integration Pocket, Intuitive 10.92 cm touchscreen control panel, print multiple pages per sheet (2, 4, 6, 9, 16), collation, watermarks, store print jobs
Standard print languages	HP PCL 6; HP PCL 5c; HP postscript level 3 emulation, native PDF printing (v 1.7)	
Fonts and typefaces	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP Postscript level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 internal Windows Vista 8 Fonts (Calibri, Cambria); Additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfonts	
Print area	Print margins Top: 2 mm absolute/5 mm assured image, Bottom: 2 mm absolute/5 mm assured image, Left: 2 mm absolute/5 mm assured image, Right: 2 mm absolute/5 mm assured image; Maximum print area: 212 x 352 mm	
Duplex printing	Automatic (standard)	

Model	HP Color LaserJet Enterprise M555dn	HP Color LaserJet Enterprise M555x
Product number	7ZU78A	7ZU79A
Fax		
Fax specifications		Telecom compliance: Telecom Wireless: RSS-Gen Issue 4/RSS 247 Issue 1, 2015 & RSS 102 Issue 5, 2015; EN 301 489-1 V2.2.3; EN 301 489-17 V3.2.2; RSS 247 Issue 1, 2015 & RSS 102 Issue 5, 2015; EN 300 328 V2.1.1; EN 301 893 V2.1.1. Other Telecom approvals as required by individual countries.
Processor speed	1.2 GHz	
Connectivity		
Standard	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; Hardware Integration Pocket	1 Hi-Speed Device USB 2.0; 2 Hi-Speed USB 2.0 Host; 1 Gigabit/Fast Ethernet 10/100/1000 Base-TX network; 1 Wireless 802.11b/g/n / 2.4 / 5 GHz Wi-Fi radio; Hardware Integration Pocket
Optional	HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A; HP Jetdirect LAN Accessory 8FP31A	HP Jetdirect LAN Accessory 8FP31A
Wireless	Optional, enabled with purchase of a wireless hardware accessory. Dual-band Wireless Station and Wi-Fi Direct functionality available with HP Jetdirect 3100w BLE/NFC/Wireless Accessory 3JN69A	Embedded Dual-band Station and Wi-Fi Direct Functionality
Mobile printing capability³	HP ePrint; Apple AirPrint™; NFC touch-to-print (optional); Mopria™ Certified; ROAM optional for easy printing	HP ePrint; Apple AirPrint™; NFC touch-to-print (optional); Mopria™ Certified; ROAM capable for easy printing; Wi-Fi® Direct printing
Supported network protocols	Via built-in networking solution: TCP/IP, IPv4, IPv6; Print: TCP-IP port 9100 Direct Mode, LPD (raw queue support only), Web Services Printing, IPP 2.0, Apple AirPrint™, HP ePrint, FTP Print, Google Cloud Print; DISCOVERY: SLP, Bonjour, Web Services Discovery; IP CONFIG: IPv4 (BootP, DHCP, AutoIP, Manual, TFTP Config, ARP-Ping), IPv6 (Stateless Link-Local and via Router, Statefull via DHCPv6); Management: SNMPv2/v3, HTTP/HTTPS, Telnet, TFTP Config, FTP FW Download, Syslog; Security: SNMPv3, SSL Cert Management, Firewall, ACL, 802.1x	
Network capabilities	Yes, via HP Jetdirect Ethernet embedded print server (standard) which supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gig Links; IPsec (standard); 802.11a/b/g/n wireless networking (optional).	Yes, via HP Jetdirect Ethernet embedded print server (standard) supports: 10Base-T, 100Base-Tx, 1000Base-T; 802.3az (EEE) support on Fast Ethernet and Gigabit Ethernet; IPsec (standard); 802.11b/g/n / 2.4 / 5 GHz Wi-Fi radio wireless networking (standard)
Hard disk	Optional, 500 GB (with accessory B5L29A)	
Memory	Standard: 1 GB; Maximum: 2 GB	

Model	HP Color LaserJet Enterprise M555dn	HP Color LaserJet Enterprise M555x
Product number	7ZU78A	7ZU79A
Media handling		
Number of paper trays	Standard: 2 ; Maximum: 5	
Media types	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy) colour transparency, labels, envelope, preprinted, coloured, rough, opaque film, user-defined	
Media size	Custom (metric): Tray 1: 76 x 127 to 216 x 356 mm; Tray 2: 102 x 148 to 216 x 297 mm; Optional Trays 3+: 102 x 148 to 216 x 356 mm ; Supported (metric): Tray 1: A4, RA4, A5, B5 (JIS), B6 (JIS), 10 x 15 cm, A6, 16K, envelopes (B5, C5 ISO, C6, DL ISO); Custom: 76 x 127 to 216 x 356 mm; Tray 2: A4, A5, B5 (JIS), B6 (JIS), 10 x 15 cm, A6, 16K; Custom: 102 x 148 to 216 x 297 mm; Optional Trays 3+: A4, RA4, A5, B5 (JIS), 16K; Custom: 102 x 148 to 216 x 356 mm	
Media handling	Standard input: 100 sheet multipurpose tray, 550 sheet input tray 2 Standard output: 250 sheet output bin Optional input: 550 sheet media input tray 3, 550 sheet media input tray 4, 550 sheet media input tray 5	
Media weight	Tray 1: 60 to 220 g/m ² (plain paper), 105 to 220 g/m ² (glossy paper); Tray 2: 60 to 220 g/m ² (plain paper), 105 to 220 g/m ² (glossy paper); Optional Trays 3+: 60 to 220 g/m ² (plain paper), 105 to 220 g/m ² (glossy paper); Automatic Duplexer: 60 to 163 g/m ² ;	
Input capacity	Tray 1: Sheets (75 g/m ² paper): 100; Transparencies, cardstock (163 g/m ²): 50; Cardstock (216 g/m ²): 30; Envelopes: 10 Tray 2: Sheets (75 g/m ² paper): 550; Labels, cardstock (163 g/m ²): Transparencies: 200 Tray 3: Sheets (75 g/m ² paper): 550; Labels, cardstock (163 g/m ²): Transparencies: 200 Maximum: Up to 2,300 sheets	
Output capacity	Standard: Up to 250 sheets Envelopes: Up to 10 envelopes Transparencies: Up to 100 sheets Maximum: Up to 250 sheets	
Compatible operating systems	Windows Client OS (32/64-bit): Win10, Win8.1, Win7 Ultimate, Mobile OS-, iOS, Android; Mac: Apple® macOS High Sierra v10.13, Apple® macOS Mojave v10.14, Apple® macOS Catalina v10.15; Discrete PCL6 Printer Driver: for more information on the supported operating systems go to http://www.support.hp.com , Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) - User Guide, Search for the Supported Operating Systems section; UPD PCL6 / PS Printer Drivers, Supported Operating systems: for more information on the supported operating systems see http://www.hp.com/go/upd	
Compatible network operating systems	Windows Server 2008 R2 64-bit, Windows Server 2008 R2 64-bit (SP1), Windows Server 2012 64-bit, Windows Server 2012 R2 64-bit, Windows Server 2016 64-bit, Windows Server 2019 64-bit, Citrix Server 6.5, Citrix XenApp & XenDesktop 7.6, Novell iPrint server, Citrix Ready Kit Certification - Up to Citrix Server 7.18 for more information see http://www.citrixready.com ; Linux: For more information see http://developers.hp.com/hp-linux-imaging-and-printing ; Unix: For more information see http://www.hp.com/go/unixmodelscripts ; UPD PCL6 / PS Printer Drivers: For more information on the supported operating systems go to http://www.support.hp.com , Enter your product name and search, Click on User Guides and enter your product name and search for User Guide, Search for your (Product Name) - User Guide, Search for the Supported Operating Systems section; UPD PCL6 / PS Printer Drivers, Supported Operating systems: for more information on the supported operating systems see http://www.hp.com/go/upd	
Minimum system requirements	Windows: 2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see http://www.microsoft.com ; Mac: 2 GB available hard disk space, Internet connection, or USB port, Internet browser. For additional OS hardware requirements see http://www.apple.com	
Software included	No software solutions are included in the Box, only on http://www.hp.com , http://www.123.hp.com	
Security management	Identity management: Kerberos authentication; LDAP authentication; 1000 user PIN codes; optional HP and 3rd party advanced authentication solutions (e.g.; badge readers); Network: IPsec/firewall with Certificate: Pre-Shared Key; and Kerberos authentication; Supports WJA-10 IPsec configuration Plug-in; 802.1X authentication (EAP-PEAP; EAP-TLS); SNMPv3; HTTPS; Certificates; Access Control List; Data: Storage Encryption; Encrypted PDF & Email (uses FIPS 140 validated cryptographic libraries from Microsoft); Secure Erase; SSL/TLS (HTTPS); Encrypted Credentials; Device: Security lock slot; USB port disablement; Hardware Integration Pocket for security solutions; Intrusion Detection with Red Balloon Security Technology (Constant in-device monitoring for attacks); HP Sure Start Secure Boot (BIOS Integrity Checking with self-healing capability); Whitelisting (loads only known good code DLLs, EXEs, etc.); Embedded Trusted Platform Module (TPM); HP Connection Inspector; Security management: Compatible with HP JetAdvantage Security Manager, Device Security Syslog Messages processed and accessible in Arcsight and Splunk SIEMs	
Printer management	HP Printer Assistant, HP Device Toolbox, HP Web JetAdmin Software, HP JetAdvantage Security Manager, HP SNMP Proxy Agent, HP WS Pro Proxy Agent, Printer Administrator Resource Kit for HP Universal Print Driver (Driver Configuration Utility - Driver Deployment Utility - Managed Printing Administrator)	
Dimensions and weight		
Printer dimensions (W x D x H)	Minimum 458 x 479 x 380 mm; Maximum: 820 x 785 x 455 mm;	Minimum 458 x 479 x 513 mm; Maximum: 820 x 785 x 588 mm;
Package dimensions (W x D x H)	600 x 500 x 598 mm	750 x 600 x 598 mm
Printer weight	27.5 kg	33.4 kg
Package weight	31.3 kg	39.6 kg
Operating environment	Temperature: 10 to 32°C; Humidity: 30 to 70% RH	
Storage conditions	Temperature: -20 to 40°C;	
Acoustics	Acoustic power emissions: 6.3 B(A) (Printing at 38 ppm); Acoustic pressure emissions: 51 dB(A) (Printing at 38 ppm)	
Power	Requirements: Input voltage: 220 to 240 VAC, 50 Hz (not dual voltage, product varies by part number with # Option code identifier); Consumption: 622 watts (Printing), 31.3 watts (Ready), 2.4 watts (Sleep), 0.06 watts (Auto-Off/Manual On), 0.69 watts (Auto-Off/Auto-On/Wake on LAN); Typical Electricity Consumption (TEC) ⁴ : Blue Angel: 1.368 kWh/Week; Energy Star 3.0: 0.464 kWh/Week; Power supply type: Internal (built-in) 220V Power Supply;	
Energy savings feature technology	HP Auto-On/Auto-Off Technology; Instant-on Technology	
Certifications ⁵	CISPR 22:2008 (International) Class A, CISPR 32:2012 (International)/ EN 55032:2012, CISPR 35:2016 (International)/ EN 55035:2017, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013. Other EMC approvals as required by individual countries, Blue Angel; CECP; ENERGY STAR [®] certified; EPEAT [®] Silver	CISPR 22:2008 (International) Class A, CISPR 32:2012 (International)/ EN 55032:2012, CISPR 35:2016 (International)/ EN 55035:2017, EN 55024:2010+A1:2015, EN 61000-3-2:2014, EN 61000-3-3:2013. Other EMC approvals as required by individual countries, Blue Angel; CECP; ENERGY STAR [®] qualified; EPEAT [®] Silver
Blue Angel compliant ⁶	Yes, Blue Angel DE-UZ 205—only ensured when using Original HP supplies	
Country of origin	Made in Japan	
What's in the box ⁷	HP Color LaserJet Enterprise M555dn Printer; Four preinstalled HP LaserJet toner cartridges (yield 5,500 pages black, 3,500 pages cyan, magenta, yellow composite); Toner collection unit; In-box documentation; Power Cord	HP Color LaserJet Enterprise M555x Printer; Four preinstalled HP LaserJet toner cartridges (yield 5,500 pages black, 3,500 pages cyan, magenta, yellow composite); Toner collection unit; In-box documentation; Power Cord
Warranty	One-year, next-business day, onsite warranty. Warranty and support options vary by product, country and local legal requirements. Go to http://www.hp.com/support to learn about HP award winning service and support options in your region.	

Footnotes

- ¹ HP's most advanced embedded security features are available on HP Enterprise and HP Managed devices with HP FutureSmart firmware 4.5 or above. Claim based on HP review of 2019 published features of competitive in-class printers. Only HP offers a combination of security features to automatically detect, stop, and recover from attacks with a self-healing reboot, in alignment with NIST SP 800-193 guidelines for device cyber resiliency. For a list of compatible products, visit <http://www.hp.com/go/PrintersThatProtect>. For more information, visit [hp.com/go/PrinterSecurityClaims](http://www.hp.com/go/PrinterSecurityClaims).
- ² Third-party certification based on Common Criteria Information Technology Security Evaluation ISO/IEC 15408 Standard requirements as of May 2019. Certification applicable to HP Enterprise and Managed devices running HP FutureSmart Firmware version 4.5.1 and later. For more information: <https://www.commoncriteriaportal.org/files/epfiles/Certification%20Report%20-%20HP%20Intrusion%20Detection.pdf>.
- ³ Some features enabled by future HP FutureSmart firmware upgrades may not be available on older devices, if for example, physical product characteristics limit the functionality of the new feature.
- ⁴ HP Web Jetadmin is free and available for download at <http://www.hp.com/go/webjetadmin>.
- ⁵ Mobile device needs to be connected directly to the signal of a Wi-Fi Direct[®] supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance[®]. For details, see <http://www.hp.com/go/mobileprinting>.
- ⁶ Dependent upon country setup specifications.
- ⁷ To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth[®] Low Energy (BLE) beaconing capabilities. Subscription may be required. For more information, visit <http://www.hp.com/go/roam>.
- ⁸ HP Auto-On/Auto-Off Technology capabilities subject to printer and settings. May require a firmware upgrade.
- ⁹ Program availability varies. For more information, visit <http://www.hp.com/recycle>.

Technical specifications disclaimers

- ¹ Measured using ISO/IEC 24734, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
- ² Measured using ISO/IEC 17629. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
- ³ To enable HP Roam, some devices may require firmware to be upgraded and an optional accessory to add Bluetooth[®] Low Energy (BLE) beaconing capabilities. Customer can purchase the HP Jetdirect 3100w BLE/NFC/Wireless accessory or the RadBeacon USB. Subscription may be required. For more information, visit <http://www.hp.com/go/roam>.
- ⁴ Typical Electricity Consumption (TEC) rating represents the typical electricity consumed by a product during 1 week, measured in kilowatt-hours (kWh).
- ⁵ EPEAT[®] registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.
- ⁶ Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Blue Angel value typically based on measurement of 230V device.
- ⁷ Average black and colour composite (C/M/Y) declared yields based on ISO/IEC 19798 and continuous printing. Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/toneryield>. HP Color LaserJet Enterprise M555 in-box colour cartridges may have higher yield than stated for printer units manufactured before 2021.



www.blauer-engel.de/uz205

