



The essential features:

- Oil and water resistant
- High performance battery
- Patented decoding algorithms
- Modern integrated lighting
- Fast reading times

Two wired handheld Readers with innovative performance

Manufacturing environments in the automotive, medical device, electronics or aerospace industries, etc., require robust, powerful and user-friendly barcode reading technology to ensure component traceability and maximum productivity.

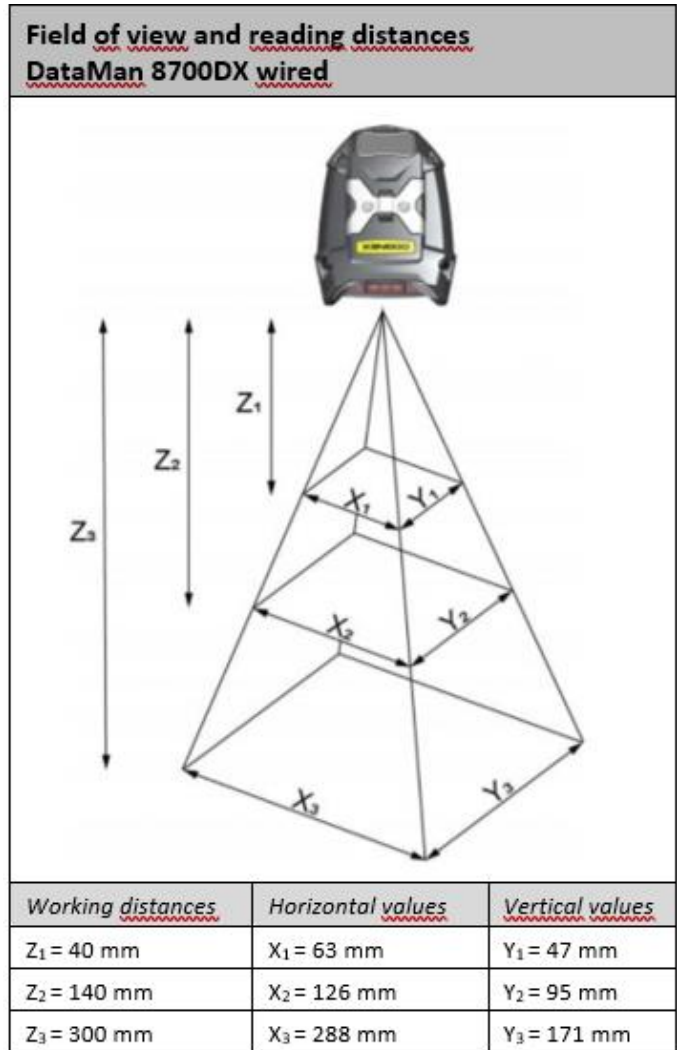
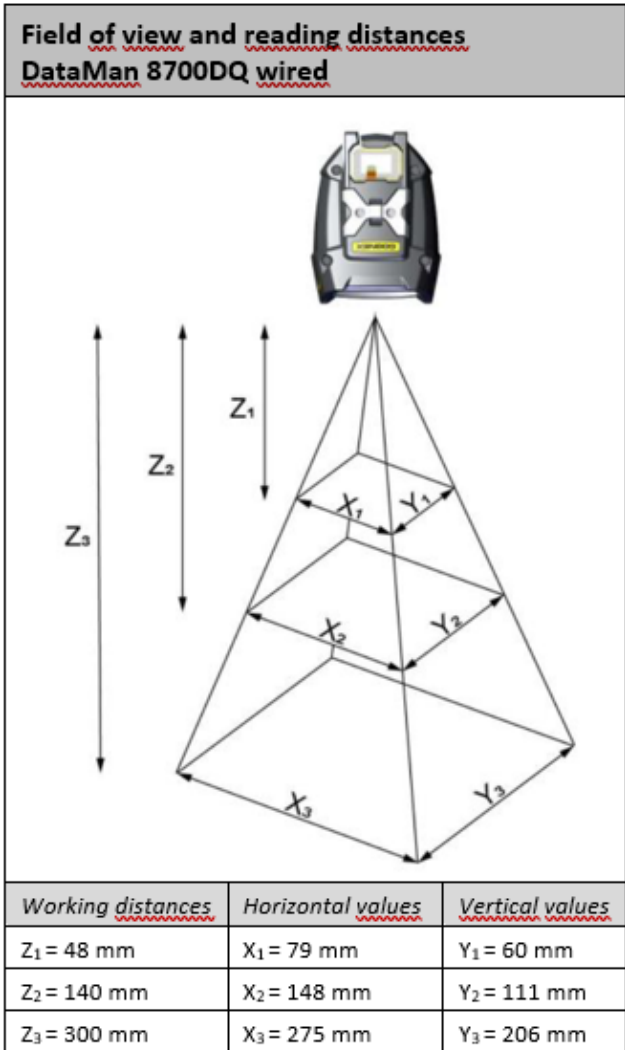
- **DataMan 8700DQ** direct marked (DPM) codes with good contrast as well as label-based codes
- **DataMan 8700DX** decodes the most difficult DPM (Direct Part Mark) and label codes

Both models are resistant to oil, dirt and water. The built-in display allows for quick setup and operator feedback. The reader also supports a wide range of industrial protocols and communication options, so it can be connected and used efficiently in all operations.



Technical Data		
	DataMan 8700DQ wired	DataMan 8700DX wired
Algorithms	1DMax, 2DMax, Hotbars, PowerGrid	
Resolution	1,6 MP	
Lens	Fixed 6.2 mm lens	8 mm high speed liquid lens
Positioning aid	Green on-axis LED aligner	
Reading performance	4-Core Processing Engine, HDR technology	
Status outputs	OLED screen (device name, status, output string, etc.), LED ring light, beeper, vibration	
Communication	<i>Serial: RS-232 and USB</i> <i>Ethernet: TCP/IP, FTP, industrial protocols: EtherNet/IP, PROFINET (Class B certified), MC Protocol, Modbus TCP</i>	
Illumination	Diffuse	Diffuse, polarized, direct
Symbologies	1D: UPC/EAN/JAN, Codabar, Interleaved 2 of 5, Code 39, Code 128, Code 93, POSTNET, PLANET Code, IMB, Postal 2D: Data Matrix, QR, MicroQR, PDF417, MaxiCode, Aztec	
Dimensions	223,4 mm (H) x 113,1 mm (L)	241 mm (H) x 112,5 mm (L)
Weight	395 g (+ ca. 130 g for cable)	450 g (+ ca. 130 g for cable)
Operating temperature	0°C–40°C	
Storage temperature	-40°C–60°C	
Maximum humidity	95% (non-condensing)	
Power supply requirements	<i>DataMan 8700 with serial/USB port: 5.5 V DC, 6.0 W max. LPS or NEC class 2 power supply</i> <i>DataMan 8700 with Ethernet connection: PoE class 2 power supply</i>	
Protection class	Reader: IP67	
Drop test	50 drop from 2,5 meters height	
Environmental protection	Fulfils the latest RoHS of the EU and China	
Conformity to guidelines	<i>EU: CE EMC & RED</i> <i>USA/Canada: cTÜVus IEC 61010-1, par 15B, ICES 03 / Korea: KCC</i>	
Data verification	US DoD UID guidelines, GS-1, ISO15434 and ISO15418	
Operating system	Windows 7 and Windows 10	

Oil specifications - ISO 16750-5	
Chemical loads	Resistance
Diesel fuel, Biodiesel, Methanol, Engine oil, Differential oil, Transmission fluid, Hydraulic fluid, Greases, Silicone oil, Antifreeze fluid, Urea, Protective lacquer, Protective lacquer remover, Windscreen washer fluid, Vehicle washing chemicals, Cleaning solvent, Denatured alcohol, Contact spray, Runway deicer	Excellent / No impact
Cold cleaning agent, Petrol	Good / Cosmetic only
Brake fluid	Fair / No impact to functionality
Battery fluid	Poor / Impacts functionality



Order data DataMan 8700DQ wired	
Item No.	„Ethernet“
042431	DataMan 8700DQ handheld reader with Ethernet communication. Designed for well-marked DPM applications, the DataMan 8700DQ wired handheld reader offers strong DPM reading performance in addition to the robustness and ease of use of the DM8700 platform. The DM8700DQ has the following features: - Good DPM reading performance - White diffused illumination - HDR - PowerGrid - 1.6MP resolution - ISO 16750-5, oil resistant - IP67 standard - Drop tested, multiple drops from 2.5m - OLED display for easy setup - 360-degree ring light, beeper, vibration grip and LED on-axis aimer - Cables sold separately - Power options requires Power over Ethernet.
042287	DataMan 87xx USB to Ethernet conversion kit. The kit contains: - Ethernet plug-in communication module - Ethernet 2.5m straight PoE cable (042254). Does NOT include the PoE power supply
060013	Power-over-Ethernet Injector POE, 24VDC, 10/100 DIN rail mounting, HxWxD 100x25x83mm ³ , 20W
060045	Power-over-Ethernet Injector POE+, 24VDC, 4 ports DIN rail mounting, HxWxD 142x46x108mm ³
060026	Power-over-Ethernet Injector POE, 110 VAC US
060041	Power-over-Ethernet Injector, 230 VAC, EU
042254	DataMan 87xx, Cable Ethernet, 2.5m, straight RJ45 (host side) to RJ45 (reader side)
042282	DataMan 87xx, Cable Ethernet, 5 m, straight RJ45 (host side) to RJ45 (reader side)
042283	DataMan 87xx, spiral cable Ethernet, 5m unextended 1.5m RJ45 (host side) to RJ45 (reader side)
042284	DataMan 87xx, Cable Ethernet, 30m, straight RJ45 (host side) to RJ45 (reader side)
042354	DataMan 87xx, spiral cable Ethernet, M12, 5m uncut 1.5m M12 x-coded (host side) to RJ45 (reader side)
042255	DataMan 87xx, cable Ethernet, 2.5m, ger., bayonet with bend protection and strain relief for connection with junction box with RJ45 bayonet coupling (Art. 060018) as well as with the A-Box products (Art. 030041 and 030085)
042285	DataMan 87xx, spiral cable Ethernet, 5m, bayonet unextended 1.5m
060018	Junction box with RJ45 bayonet coupling for connecting an Ethernet cable for DataMan 8xxx with bayonet connection. Cable separate for DataMan 80xx, 8600: 2.5m straight cable art. 040488 or 4m spiral cable art. 040582 For DataMan 8700; 2.5m straight cable art. 042255, divisible cable gland M25 for 6mm cable diameter separate (art. 111129) H80xW75xD56mm ³ . M25 threaded opening for control side cable with RJ45 socket.
Item No.	„RS232“
042433	DataMan 8700DQ Handheld Reader with RS232 Communication The DMR-8700DQ-RS kit includes: - DM8700DQ Wireless Handheld Reader with RS232 Communication - RS-232 Firmware Update Cable (DMC-HH-RS232-USB) (sold separately) Designed for well-marked DPM applications, the DataMan 8700DQ wireless handheld barcode reader offers strong DPM reading performance and the ruggedness and ease of use of the DM8700 platform. The DM8700DQ has the following features: - Good DPM reading performance - White diffused illumination - HDR - PowerGrid - 1.6MP resolution - ISO 16750-5, oil resistant - IP67 standard - Drop test, multiple drops from 2.5m - OLED display for easy setup - 360-degree ring light, beeper, vibration grip and LED on-axis aimer Power options: - External power supply (DM8700-PWR-00) -> Requires DMC-HH-RS232-02C or DMC-HH-RS232-05C (sold separately) - Power supply via DB9 pin 9 -> Requires DMC-HH-RS232P-02C (sold separately).
042288	DataMan 87xx USB to RS232 conversion kit including: - RS-232 plug-in communication module (DM8700-RS232M) - RS-232 to USB firmware update cable (RS-232 communication is too slow for updating firmware, this cable allows the customer to connect via USB for faster updating) - RS-232 cable 2.5 m with Dsub9 connector (042280)
042286	DataMan 87xx USB and RS232 power supply

042280	DataMan 87xx, spiral cable RS232, 2.5m Dsub9 (host side) to RJ11 (scanner side). On the Dsub9 additionally socket for power supply e.g. via plug-in power supply unit (Art. 042286).
042303	DataMan 87xx, spiral cable RS232, 2.5m, pin 9 Dsub9 (host side) with power supply via pin 9 to RJ11 (scanner side)
042313	DataMan 87xx, spiral cable RS232, 5m DSub9 (host side) to RJ11 (scanner side). On DSub9 additional socket for power supply e.g. via plug-in power supply unit (Art. 042286).
042310	DataMan 87xx RS232 to USB-A upgrade cable, 1m
030027	Leuze RS-232 Gateway ProfiBusDP MA 204i, IP65 Modular connection unit, 18-30 VDC
030120	Leuze RS-232 Gateway Profinet MA 248i, IP65 Modular connection unit
030028	Leuze connection cable for RS-232 gateway, 0.2m KB JST-HS-300 <-> 9pin DSub plug
Item No.	„USB“
042432	DataMan 8700DQ handheld reader with USB communication. Designed for well-marked DPM applications, the DataMan 8700DQ wired barcode handheld reader offers strong DPM reading performance and the robustness and ease of use of the DM8700 platform. The DM8700DQ has the following features: - Good DPM reading performance - White diffused illumination - HDR - PowerGrid - 1.6MP resolution - ISO 16750-5, oil resistant - IP67 standard - Drop tested, multiple drops from 2.5m - OLED display for easy setup - 360-degree ring light, beeper, vibration grip and LED on-axis aimer - Cables sold separately - Power options: - Can be powered via standard USB ports - External power supply sold separately.
042438	DataMan 8700DQ USB Demo Kit, cable included
042464	DataMan 87xx Ethernet to USB Conversion Kit Including Plastic Cable Guide. Does NOT include Power Supply. Does NOT include Cable
042286	DataMan 87xx USB and RS232 power supply
042281	DataMan 87xx, cable USB-A, 2.5m, straight USB-A (host side) to USB-C (scanner side) On host side socket for power supply e.g. via plug-in power supply unit (Art. 042286)
042307	DataMan 87xx, Spiral cable USB-A, 2.5m USB-A (host side) to USB-C (scanner side)
042311	DataMan 87xx, Cable USB-C, 2.5m, straight USB-C (host side) to USB-C (scanner side)
042312	DataMan 87xx, Coiled cable USB-C, 2.5m

Order data DataMan 8700DX wired	
Item No.	„Ethernet“
042253	DataMan 8700DX Handheld reader Ethernet Commun. for reading barcodes and data matrix codes Great reading performance! Best in Class! - 1DMax, 2DMax, Hotbars, PowerGrid - 1.6MP resolution - 4-core processing engine - HDR technology - Illumination: diffuse, polarised, direct - IP67 protection - ISO 16750-5 oil resistant - Adjustable distance via high-speed liquid lens - Status indication via 360° ring light, beeper, vibration and LED on-axis illumination - PoE power supply cl. 2 max 6W - EtherNet/IP and PROFINET - Ethernet cable and power supply separate
042256	DataMan 8700DX Handheld reader Ethernet Kit 2.5m, straight consists of: 1 DataMan 8700 handheld reader with Ethernet communication (Art. 042253) 1 Cable DataMan 87xx, Ethernet, 2.5m, straight, with bayonet connection (Art. 042255) 1 Bayonet connection box (Art. 060018) 1 Separable cable gland (Art. 111129)
042333	DataMan 8700DX handheld reader with Ethernet kit spiral consists of: 1 DataMan 8700 handheld reader with Ethernet communication (art. 042253) 1 DataMan 87xx spiral cable, Ethernet, 5m, with bayonet connection (art. 042285) 1 Bayonet connection box (art. 060018) 1 Separable cable gland (art. 111129)

Order data DataMan 8700DX wired	
042586	DataMan 8700DX Handheld reader Ethernet Kit 5m, ger. consists of: 1 DataMan 8700 handheld reader with Ethernet communication (Art. 042253) 1 Cable DataMan 87xx, Ethernet, 5m, straight, (Art. 042282)
042287	DataMan 87xx USB to Ethernet Conversion Kit include: - Ethernet plug-in communication module - Ethernet 2.5 m straight PoE cable (042254) Does NOT include PoE power supply unit
060013	Power-over-Ethernet Injector POE, 24VDC, 10/100 DIN rail mounting, HxWxD 100x25x83mm ³ , 20W
060045	Power-over-Ethernet Injector POE+, 24VDC, 4 ports DIN rail mounting, HxWxD 142x46x108mm ³
060026	Power-over-Ethernet Injector POE, 110 VAC US
060041	Power-over-Ethernet Injector, 230 VAC, EU
042254	DataMan 87xx, Cable Ethernet, 2.5m, straight RJ45 (host side) to RJ45 (reader side)
042282	DataMan 87xx, Cable Ethernet, 5 m, straight RJ45 (host side) to RJ45 (reader side)
042283	DataMan 87xx, spiral cable Ethernet, 5m unextended 1.5m RJ45 (host side) to RJ45 (reader side)
042284	DataMan 87xx, Cable Ethernet, 30m, straight RJ45 (host side) to RJ45 (hand reader side)
042354	DataMan 87xx, spiral cable Ethernet, M12, 5m unextended 1.5m M12 x-coded (host side) to RJ45 reader side)
042255	DataMan 87xx, cable Ethernet, 2.5m, ger., bayonet with bend protection and strain relief for connection with junction box with RJ45 bayonet coupling (Art. 060018) as well as with the A-Box products (Art. 030041 and 030085)
042285	DataMan 87xx, spiral cable Ethernet, 5m, bayonet unelongated 1.5m
060018	Junction box with RJ45 bayonet coupling for connecting an Ethernet cable for DataMan 8xxx with bayonet connection. Cable separate. For DataMan 80xx, 8600: 2.5m straight cable art. 040488 or 4m spiral cable art. 040582 For DataMan 8700; 2.5m straight cable art. 042255 Separable cable gland M25 for 6mm cable diameter separate (art. 111129) H80xW75xD56mm ³ . M25 threaded opening for control side cable with RJ45 socket.
Item No.	„RS232“
042332	DataMan 8700DX handheld reader with RS232 communication for reading barcodes and data matrix codes Great reading performance! Best in Class! - 1DMax, 2DMax, Hotbars, PowerGrid - 1.6MP resolution - 4-core processing engine - HDR technology - Illumination: diffuse, polarised, direct - IP67 rating - ISO 16750-5 oil-resistant - Adjustable distance via high-speed liquid lens - Status indication via 360° ring light, beeper, vibration and LED on-axis illumination The DataMan with RS-232 communication includes the handheld reader with the RS-232 firmware update cable (042310) Cable and power supply must be ordered separately. The DataMan 8700DX with RS-232 communication can be powered in 2 ways: Either with cable 042313 and power supply 042286 or via cables 042303 (2.5m), 042314 (5m) with power supply via pin 9.
042447	DataMan 8700DX handheld reader RS232 kit for reading barcodes and data matrix codes even for difficult DPM codes great reading performance 3x illumination options: Polarised, diffuse and direct HDR High dynamic Range, PowerGrid algorithm High-speed liquid lens, 1.6MPix resolution ISO 16750-5, oil resistant, IP67 Stability through drop test, e.g., several times from 2. OLED display for easy set-up 360° display ring, beeper, vibration and LED target display on-axis Consisting of: 1 DataMan 8700DX handheld reader with RS232 communication (042332) 1 DataMan 87xx, spiral cable RS232, 5m (042313) 1 DataMan 87xx power supply USB and RS232 (042286)
042288	DataMan 87xx USB to RS232 conversion kit. The kit contains: - RS-232 plug-in communication module (DM8700-RS232M) - RS-232 to USB firmware upgrade cable (RS-232 communication is slow for firmware upgrades, this cable allows the customer to connect via USB for faster updates) - RS-232 cable 2.5 m with Dsub9 connector (042280).
042286	DataMan 87xx USB and RS232 power supply

Order data DataMan 8700DX wired	
042280	DataMan 87xx, spiral cable RS232, 2.5m Dsub9 (host side) to RJ11 (scanner side). On the Dsub9 additionally socket for power supply e.g., via plug-in power supply unit (Art. 042286).
042303	DataMan 87xx, spiral cable RS232, 2.5m, pin 9 Dsub9 (host side) with power supply via pin 9 to RJ11 (scanner side)
042313	DataMan 87xx, spiral cable RS232, 5m DSub9 (host side) to RJ11 (scanner side). On DSub9 additional socket for power supply e.g., via plug-in power supply unit (Art. 042286).
042310	DataMan 87xx RS232 to USB-A upgrade cable, 1m
030027	Leuze RS-232 Gateway ProfiBusDP MA 204i, IP65 Modular connection unit, 18-30 VDC
030120	Leuze RS-232 Gateway Profinet MA 248i, IP65 Modular connection unit
030028	Leuze connection cable for RS-232 gateway, 0.2m KB JST-HS-300 <-> 9pin DSub plug
Item No.	„USB“
042279	DataMan 8700DX handheld reader USB communication for reading barcodes and data matrix codes even for difficult DPM codes great reading performance 3x illumination options: Polarised, diffuse and direct HDR High dynamic Range, PowerGrid algorithm High-speed liquid lens, 1.6MPix resolution ISO 16750-5, oil resistant, IP67 Stability through drop test, e.g. multiple times from 2.5m height OLED display for easy set-up 360° indicator ring, beeper, vibration and LED target display on-axis Consists of: 1 scanner with 1 power supply (Art. 042286). Not included: Cable
042459	DataMan 8700DX handheld reader USB kit for reading barcodes and data matrix codes even for difficult DPM codes great reading performance 3x illumination options: Polarised, diffuse and direct HDR High dynamic Range, PowerGrid algorithm High-speed liquid lens, 1.6MPix resolution ISO 16750-5, oil resistant, IP67 Stability through drop test, e.g. several times from 2.5m height OLED display for easy set-up 360° indicator ring, beeper, vibration and LED target display on-axis Consists of: 1 scanner with power supply (Art. 042279) 1 coiled cable (Art. 042307).
042464	DataMan 87xx Ethernet to USB conversion kit including plastic cable guide, does NOT include power supply, does NOT include cable
042286	DataMan 87xx USB and RS232 power supply
042281	DataMan 87xx, cable USB-A, 2.5m, straight USB-A (host side) to USB-C (scanner side) On host side socket for power supply e.g., via plug-in power supply unit (Art. 042286)
042307	DataMan 87xx, Spiral cable USB-A, 2.5m USB-A (host side) to USB-C (scanner side)
042311	DataMan 87xx, Cable USB-C, 2.5m, straight USB-C (host side) to USB-C (scanner side)
042312	DataMan 87xx, Spiral cable USB-C, 2.5m