



The essential features:

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

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

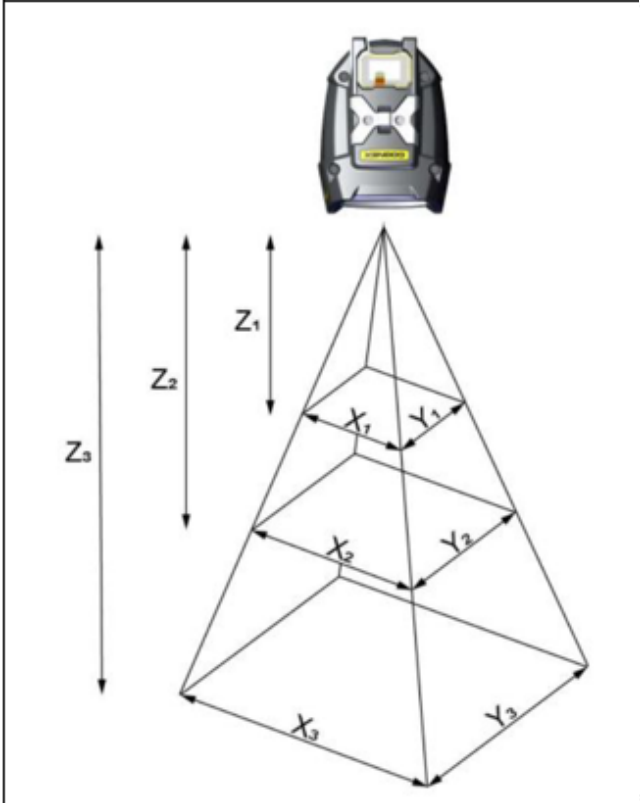
Both models are resistant to oil, dirt and water. The built-in display allows for quick setup and operator feedback. The reader also supports a wide range of industrial protocols and communication options, so it can be connected and used efficiently in all operations.



Technical Data		
	DataMan 8700DQ Bluetooth	DataMan 8700DX Bluetooth
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>Bluetooth</i> : Bluetooth communicates with the intelligent Bluetooth base station or directly with the PC/phone/tablet	
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)	221 mm (H) x 112,5 mm (L)
Weight	530 g	
Operating temperature	0°C–40°C	
Storage temperature	-40°C–60°C	
Maximum humidity	95% (non-condensing)	
Power supply requirements	DataMan 8700 with Bluetooth: 3,7 V, 5000 mAh Li-ion battery DataMan intelligent base station: 5,5 V DC, 6 W max. LPS or NEC classe2 power supply or PoE class 2 power supply	
Protection class	Reader: IP67; base station: IP65	
Drop test	50 drop from 2,5 meters height	
Environmental protection	Fulfils the latest RoHS of the EU and China	
Conformity to guidelines	EU: CE EMC & RED USA/Canada: cTÜVus IEC 61010-1, par 15B, ICES 03 Korea: KCC	
Data verification	US DoD UID guidelines, GS-1, ISO15434 and ISO15418	
Operating system	Windows 7 and Windows 10	

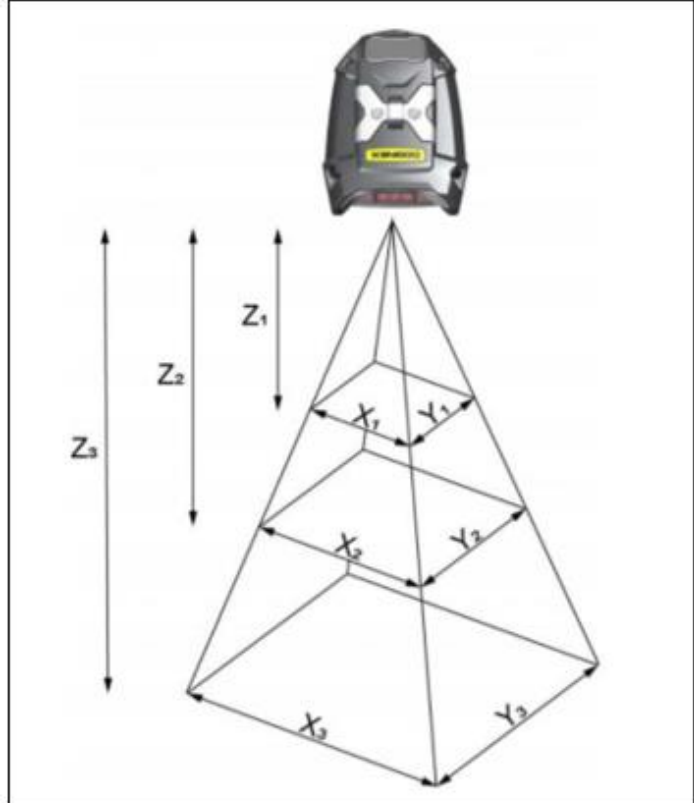
Oil specifications – ISO 16750-5	
Chemical loads	Resistance
Diesel fuel, Biodiesel, Methanol, Engine oil, Differential oil, Transmission fluid, Hydraulic fluid, Greases, Silicone oil, Antifreeze fluid, Urea, Protective lacquer, Protective lacquer remover, Windscreen washer fluid, Vehicle washing chemicals, 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

**Field of view and reading distances
DataMan 8700DQ Bluetooth**



<u>Working distances</u>	<u>Horizontal values</u>	<u>Vertical values</u>
Z ₁ = 48 mm	X ₁ = 79 mm	Y ₁ = 60 mm
Z ₂ = 140 mm	X ₂ = 148 mm	Y ₂ = 111 mm
Z ₃ = 300 mm	X ₃ = 275 mm	Y ₃ = 206 mm

**Field of view and reading distances
DataMan 8700DX Bluetooth**



<u>Working distances</u>	<u>Horizontal values</u>	<u>Vertical values</u>
Z ₁ = 40 mm	X ₁ = 63 mm	Y ₁ = 47 mm
Z ₂ = 140 mm	X ₂ = 126 mm	Y ₂ = 95 mm
Z ₃ = 300 mm	X ₃ = 288 mm	Y ₃ = 171 mm

Order data DataMan 8700DQ Bluetooth	
Item No.	„Base station separately“
042551	DataMan 8700DQ handheld reader Bluetooth, base station separately
042379	DataMan 8700DX Bluetooth replacement battery capacity 5000mAh
040152	DataMan 8xxx table stand, allowing DataMan to be used as a presentation reader. Wall bracket (art. 040432) required separately for mounting on stand.
042392	DataMan 8700DX belt holster, specially designed to provide a secure hold yet allow easy access. Some key features: - The reader handle is exposed, allowing the reader to be removed with a flick of the wrist - A button clip allows the reader to be locked in place when not in use - A symmetrical design allows the holster to be worn on both hips
Item No.	„Ethernet“
042552	DataMan 8700DQ Handheld Bluetooth, ENet Kit, including: - DM8700DX Bluetooth handheld reader (DMR-8700DX-BT) - DM8700 base station configured for Ethernet (DMB-8700-E) - 5000mAh battery (DMA-BATTERY-5000) Ethernet cable and PoE injector sold separately
042375	DataMan 8700DX Bluetooth base station ENet
042287	DataMan 87xx conversion kit USB to Ethernet. The kit contains: - Ethernet plug-in communication module - Ethernet 2.5m straight PoE cable (042254). Does NOT include PoE power supply unit
060013	Power-over-Ethernet Injector POE, 24VDC, 10/100 DIN rail mounting, HxBxD 100x25x83mm ³ , 20W
060045	Power-over-Ethernet Injector POE+, 24VDC, 4 Ports DIN rail mounting, HxBxD 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, 5m, 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 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 unextended 1.5m
060018	Junction box with RJ45 bayonet coupling for connecting an Ethernet cable for DataMan 8xxx with bayonet connection. Cable separately 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 separately (art. 111129) H80xW75xD56mm ³ . M25 threaded opening for control side cable with RJ45 socket.
Item No.	„RS232“
042553	DataMan 8700DQ Handheld Bluetooth, RS-232 Kit includes: - DM8700DQ Bluetooth handheld reader (DMR-8700DQ-BT) - DM8700 base station configured for RS-232 (DMB-8700-RS) - 5000 mAh battery (DMA-BATTERY-5000) - RS232-to-USB cable for firmware updates (DMC-HH-RS232-USB) RS-232 communication cable sold separately
042374	DataMan 8700DX Bluetooth base station RS-232
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 power supply USB und RS232
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 auf 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 connector
Item No.	„USB“
042554	DataMan 8700DQ Handheld Bluetooth, USB Kit includes: DM8700DQ Bluetooth handheld reader (DMR-8700DQ-BT) - DM8700 base station configured for USB (DMB-8700-USB) - 5000 mAh battery (DMA-BATTERY-5000) - external 5.5 V power supply (DM8700-PWR-00) USB cable sold separately
042373	DataMan 8700DX Bluetooth base station USB
042464	DataMan 87xx conversion kit Ethernet to USB Kit incl. plastic cable guide. Does NOT contain a power supply unit. Does NOT contain a cable
042286	DataMan 87xx power supply USB und RS232
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

Order Data DataMan 8700DX Bluetooth	
Item No.	„Base station separately“
042372	DataMan 8700DX handheld Bluetooth reader, base station separat Bluetooth 4.2
042379	DataMan 8700DX Bluetooth replacement battery capacity 5000mAh
040152	DataMan 8xxx table stand so that DataMan can be used as a presentation reader wall bracket (art. 040432) required separately for mounting on stand.
042392	DataMan 8700DX belt holster specially designed to provide a secure hold yet easy access. Some key features: - The reader handle is exposed, allowing the reader to be removed with a flick of the wrist - A button clip allows the reader to be locked in place when not in use - A symmetrical design allows the holster to be worn on both hips
Item No,	„Ethernet“
042371	DataMan 8700DX Handheld Bluetooth, ENet Kit1 Bluetooth 4.2 Kit contains: 1 DataMan 8700DX Handheld Bluetooth incl. rechargeable battery (item no. 042372) 1 DataMan 8700DX Bluetooth Base Station Ethernet (item no. 042375) Power supply via PoE Ethernet cable and PoE injector (item no. 060012) have to be ordered separately. Possible Ethernet cables are: DataMan 87xx, cable Ethernet, 2.5m, straight (Art.No. 042254) DataMan 87xx, cable Ethernet, 5m, straight (Art.No. 042282) DataMan 87xx, spiral cable Ethernet, 4m (Art.No. 042283) DataMan 87xx, cable Ethernet, 30m, straight (Art.No. 042284) DataMan 87xx, spiral cable Ethernet M12, 4m (Art.No. 042354).

Order Data DataMan 8700DX Bluetooth	
042450	DataMan 8700DX handheld Bluetooth reader, ENet Kit2 Bluetooth 4.2 Kit2 contains: 1 DataMan 8700DX handheld Bluetooth reader, ENet Kit (042371) 1 DataMan 87xx, Ethernet cable, 2.5m, straight (042254)
042451	DataMan 8700DX handheld reader Bluetooth, ENet Kit3 Bluetooth 4.2 Kit3 contains: 1 DataMan 8700DX handheld reader Bluetooth, ENet Kit (042371) 1 DataMan 87xx, cable Ethernet, 2.5m, straight (042254) 1 PoE Injector 230V (Art.Nr. 060012)
042375	DataMan 8700DX Bluetooth base station ENet
042287	DataMan 87xx conversion kit USB to Ethernet Kit inklusive: - 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, HxBxD 100x25x83mm ³ , 20W
060045	Power-over-Ethernet Injector POE+, 24VDC, 4 Ports DIN rail mounting, HxBxD 142x46x108mm ³
060026	Power-over-Ethernet Injector POE, 110 VAC US
060041	Power-over-Ethernet Injector, 230 VAC, EU
042254	DataMan 87xx, Ethernet cable, 2.5m, straight RJ45 (host side) to RJ45 (reader side)
042282	DataMan 87xx, Ethernet cable, 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, Ethernet cable, 30m, straight RJ45 (host side) to RJ45 (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, straight, 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 separately 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 separately (art. 111129) H80xW75xD56mm ³ . M25 threaded opening for control side cable with RJ45 socket.
Item No.	„RS232“
042370	DataMan 8700DX handheld Bluetooth, RS-232 Kit Bluetooth 4.2 Kit contains: 1 DataMan 8700DX handheld Bluetooth incl. rechargeable battery (item no. 042372) 1 DataMan 8700DX Bluetooth base station RS-232 (item no. 042374) 1 DataMan 8700DX RS232 to USB-A upgrade cable, 1m (item no. 042310)
042449	DataMan 8700DX Hand Reader Bluetooth, RS-232 Kit2 for reading barcodes and data matrix codes. The Kit2 consists of: 1 DataMan 8700DX Hand Reader Bluetooth, RS232 Kit (042370) 1 Coiled Cable RS232, 2.5m (042280) 1 Power Supply (042286)
042374	DataMan 8700DX Bluetooth base station RS-232
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 power supply USB and RS232
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).

Order Data DataMan 8700DX Bluetooth	
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 connector
Item No.	„USB“
042369	DataMan 8700DX Handheld reader Bluetooth, USB Kit Bluetooth 4.2 Kit contains: 1 DataMan 8700DX Handheld reader Bluetooth incl. rechargeable battery (Art.No. 042372) 1 DataMan 8700DX Bluetooth base station USB (Art.No. 042373) 1 DataMan DM87xx Power supply for USB and RS232 (Art.No. 042286) Connection cable to be ordered separately: DataMan 87xx, cable USB-C to USB-A, 2.5m, straight (item no. 042281) DataMan 87xx, spiral cable USB-C to USB-A, 2.5m (item no. 042307) DataMan 87xx, cable USB-C to USB-C, 2.5m, straight (item no. 042311) DataMan 87xx, spiral cable USB-C to USB-C, 2.5m, (item no. 042312).
042448	DataMan 8700DX Handheld Bluetooth, USB Kit2 Bluetooth 4.2 Kit contains: 1 DataMan 8700DX Handheld Bluetooth incl. rechargeable battery (item no. 042372) 1 DataMan 8700DX Bluetooth base station USB (item no. 042373) 1 DataMan DM87xx power supply for USB and RS232 (item no. 042286) 1 DataMan 87xx, cable USB-C to USB-A, 2.5m, straight (item no. 042281)
042373	DataMan 8700DX Bluetooth base station USB
042464	DataMan 87xx Ethernet to USB conversion kit including plastic cable guide, does NOT include power supply, does NOT include cable
042286	DataMan 87xx power supply USB and RS232
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, Spiral cable USB-C, 2.5m USB-C (host side) to USB-C (scanner side)
042312	DataMan 87xx, Spiral cable USB-C, 2.5m