

# EPSON DM-D110/210/500

## Clear, fast and easy to read: DM-D customer displays

With the new DM-D110 & DM-D210 series EPSON offers a high-performance family of POS-customer displays for shops of any size. The 2 x 20 character format dot-matrix panel gives the DM-D series ample power to convey your message. The wide viewing angle of the vacuum-fluorescent panel and the clear display, plus a tilt and swivel head that can be adjusted to any position make these displays supremely easy to read. In addition, the high-speed data transfer rate of up to 115200 bps enables speedy display of information while the built-in flash memory supports extensive fonts.

Designed to comply with safety standards of countries around the globe, these displays can be used anywhere. They are easy to connect to the EPSON POS-printers and POS-systems. Both versions of size can be connected directly to your existing host terminal or to a TM-printer by using the pass-through functionality.



*Reliable and installed worldwide:  
the DM-D family of customer displays*

## The Next Generation of Customer Displays: The EPSON DM-D500 series

The DM-D500's easy to read viewing panel makes it the clear centre of customer attention.

The DM-D500 is based on the proven vacuum fluorescent display technology with the addition of an impactful 256 x 64 dot matrix, which can impressively display images, graphics, logos and animations at the POS. The DM-D500 can display up to eight lines of text simultaneously, thus providing plenty of scope for creativity. The display's data speed is an impressive 115200 bps, making it a focal point in the POS. The DM-D500 is a highly flexible unit which can either be used integrated in EPSON printers and cash register systems, or as a stand-alone version to communicate with customers in the POS environment. Up to 7 DM-D500 can be used in a daisy chain via one RS-232C interface. This allows to show different data to user and customer simultaneously.

Even in low-light POS environments customers and operators will still be able to read the panel with the greatest of ease because the DM-D series can also display dark characters against a luminous background. The adjustable contrast allows you to fine-tune the display to meet individual viewing requirements.

All EPSON customer displays fully support the worldwide known standard ESC/POS command set for POS printers, making them open and easy to up-grade. EPSON's DM-D displays give the user the very highest quality and reliability.



*The EB-models: connected at the bottom side of  
the printer and adjustable from side to back*



*The graphic matrix of DM-D500 enables to show  
pictures, logos or 1,2,4 or 8 lines of text*

## Features of DM-D110/210/500

## Your Benefit

Compact or large customer display (3,5x5 mm or 6,5x11,3 mm)	Due to POS surrounding and available space, the ideal display can be chosen.
2 lines with 20 characters	2 currencies can be shown simultaneously (DM and Euro) or special offers for customers.
DM-D500: Dot Matrix with 256x64 dots in a field of 140 x 35 mm	To show brilliant graphics and logos at the POS. Up to 35mm characters height also ensure the customers attention
DM-D500: 1, 2, 4 or 8 lines of text can be displayed simultaneously	A comfortable way to show the receipt in advance. Customers have easy control of the scanned goods
DM-D500: Emulation font of 2 lines with 20 characters	Ensures compatibility to existing applications. Easy upgrade from DM-D10X/20X to DM-D500 series
Green Vacuum-Fluorescent-Display	Provides a wide viewing angle, high reliability, good quality and is clear and easy to read.
Movable horizontally and vertically	Can be adjusted for an optimised viewing position.
Stand-alone "Pass-through"-models (EA)	Easier installation, less cabling for only one power supply is needed to run the TM-printer and the DM-D display.
Direct connectable to TM-printer and IR-systems (EB, EC, ED)	Only one serial interface of the system is needed to run the TM-printer and the DM-D display
High-speed data transfer (up to 115200 bps)	Data is displayed in realtime, further improving processing efficiency.
95 userdefined characters, (Flash-ROM)	Higher flexibility, it is also possible to rewrite the font data
Dark characters on green Background	Very effective method to display data in a dark environment.
Definition of the displayed area by window function	Easy programming saves time for integration in the POS- system.
Macro-function for repetition	Saves time and avoids failures while programming.
Brightness can be adjusted	Individual settings for all viewing conditions.
Integrated international character sets incl. Eurosymbol	Characters of many languages are included and allow to build systems to exact user specifications.
High reliability	The high reliability results in a low error ratio and avoids failures of cash systems; motivation of staff increases.
Available in two colours	Fits to most of the actual types of registers
Supports the well known ESC/POS code for POS-printers	Ensures compatibility with all EPSON POS-printers and peripherals; offers flexibility for future expansions
Free-of-charge OLE/POS - OCX printer software for Windows	OCX printer software for application development support reduces the time period for application development
An EPSON product	The performance of a strong partner, wide experience and support, compatibility to all EPSON peripherals

# EPSON DM-D110/210/500

## Technical data DM-D210 / DM-D110

	DM-D210EA	DM-D110EA	DM-D210EB, -C	DM-D110EB,-C,-D
<b>Technology</b>	Vacuum fluorescent, green			
<b>Characters/line</b>	40 (20 characters x 2 lines)			
<b>Chars./Codepages</b>	95 alphanumeric, 37 international / 12 x 128, 95 download characters			
<b>Interface</b>	EIA/TIA RS-232			
<b>Brightness</b>	690 cd m <sup>2</sup>		700 cd m <sup>2</sup>	
<b>Baud rate</b>	2400 – 38400 bps (max.)		57600 – 115200 bps (max.)	
<b>Connection</b>	„Pass through“ function		Direct	
<b>Power supply</b>	PS-180		supplied by TM-printer or IR	
<b>Character size</b>	5 x 7 pixel, 6,5 x 11,3/9,9mm	5 x 7 pixel, 3,5 x 5,0/5,2mm	5 x 7 pixel, 6,5 x 11,3/9,9mm	5 x 7 pixel, 3,5 x 5,0/5,2mm
<b>Dimension WxDxH</b>	260 x 110 x 503	165 x 110 x 135	260 x 170 x 365	165 x 170 x 329
<b>Weight</b>	Ca. 1100g	Ca. 660g	Ca. 900g	Ca. 600g
<b>Viewing angle</b>	36° (3 positions)	48° (4 positions)	36° (3 positions)	48° (4 positions)
<b>Horizontal rotation</b>	330°	90°	330°	90°
<b>Colour</b>	cool white, dark g.	cool white, dark g.	cool white	cool white
<b>Reliability</b>	MTBF 20.000 hours			
<b>Power / Consumpt.</b>	11,4 – 48 VDC / approx. 6W			
<b>Standards / safety</b>	VCCI class A, FCC class A, CE-mark / UL, USA, TÜV (EN 60950)			

## Technical data DM-D500

	DM-D500EAW, EAG	DM-D500EBW	DM-D500ECW	DM-D500EDW
<b>Colour</b>	cool white, dark grey	cool white	cool white	cool white
<b>Connection</b>	„Pass through“	Direct		
<b>Power supply</b>	PS-180	from TM printer		
<b>Baud rate</b>	2400 – 115200 bps			
<b>Display technology</b>	Vacuum fluorescent, green			
<b>Resolution</b>	Dot matrix: 256 x 64 dots			
<b>Characters/line</b>	Font A: 32 chars. X 4 lines, Font B: 42 chars. x 8 lines, Emulation 20 x 2			
<b>Brightness</b>	300 cd/m <sup>2</sup>			
<b>Buffer</b>	Receive 4K bytes, macro 2K bytes			
<b>Character sets</b>	95 alphanumeric, 37 international / 12 pages x 128 chars.			
<b>Character size</b>	Font A: 8x16 , Font B: 5x7 , Font C: 16x16			
<b>Interface</b>	RS-232			
<b>Reliability</b>	MTBF: 30.000 hrs.			
<b>Display size</b>	W: 213 x D: 51 x H: 83 mm			
<b>Weight</b>	Approx. 460 g			
<b>Power consumption</b>	12 – 48 VDC / approx. 6W			
<b>Safety standards</b>	VCCI class A, FCC class A, CE-mark / UL, USA, TÜV (EN 60950)			
<b>Dimension WxDxH</b>	200 x 118 x 65 mm	164 x 78 x 382 mm	50 x 53 x 369 mm	50 x 53 x 250 mm
<b>Weight</b>	Approx. 440g	Approx. 340g	Approx. 190g	Approx. 135g

## Product types DM-D110/210/500

Model	Product Code	Description	Colour
<b>For TM</b>			
DM-D110	A61B133EAW	Stand alone type, (ECW)	
DM-D110	A61B133EAG	Stand alone type, (EDG)	
DM-D110	A61B133EAWU	Stand alone type, USB (ECW)	
DM-D110	A61B133EAGU	Stand alone type, USB (EDG)	
DM-D110	A61B133EBW	For U950/925,U375/675,H6000, (ECW)	
DM-D110	A61B133EBG	For U950/925,U375/675,H6000, (EDG)	
DM-D110	A61B133ECW	For H5000II,J8000, (ECW)	
DM-D210	A61B134EAW	Stand alone type, (ECW)	
DM-D210	A61B134EAG	Stand alone type, (EDG)	
DM-D210	A61B134EBW	For U950/925,U375/675,H6000, (ECW)	
DM-D210	A61B134EBG	For U950/925,U375/675,H6000, (EDG)	
DM-D210	A61B134ECW	For H5000II,J8000, (ECW)	
DM-D210	A61B134EGG	For TM-T88III and TM-U220, DM-D210+DP-505	
DM-D500	A61B113EAW	Stand alone type, (ECW)	
DM-D500	A61B113EAG	Stand alone type, (EDG)	
DM-D500	A61B113EBW	For U950/925,U375/675,H6000 (ECW)	
DM-D500	A61B113ECW	For H5000II,J8000 (ECW)	
<b>For IR-3XX</b>			
DM-D110	A61B133EDW	For IR only (ECW)	
DM-D110	A61B133EDG	For IR only (EDG)	
DM-D210	A61B134EDW	For IR only (ECW)	
DM-D500	A61B113EDW	For IR only (ECW)	
<b>For IR-700</b>			
DM-D120	A61A264103	For IR-700 only (ECW)	
DM-D120	A61A264113	For IR-700 only (EDG)	
<b>For SR</b>			
DM-D110	A61B133111	For SR-600, (EDG)	
DM-D110	A61B133101	For SR-600, (ECW)	
<b>Options</b>			
DP-105	A62B098111	DP-105 ; Extention pole (EDG)	
DP-105	A62B098101	DP-105 ; Extention pole (ECW)	