

DATASHEET: DATA HOMECABINET DW4HD



DW4HD108



DW4HD108



DW4HD108



DW4HD108



DW4HD108



DW4HD226



DW4HD226



DW4HD226



DW4HD226



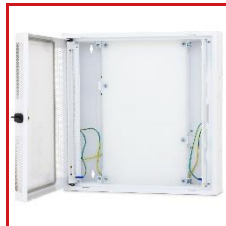
DW4HD226



DW4HD344



DW4HD344



DW4HD344



DW4HD344



DW4HD344



Swing side panels



Empty ports for TOOLLESS LINE modules



Empty opening for power socket



DW4HD226 – loaded

SCHRACK INFO:

The Data Homecabinets DW4HD are designed to accomplish the needs in private flats and private single- or Multi-family houses.

All incoming Multimedia cables which enter the private flat or house (for Telephony, TV, Internet, Audio/Video Intercom Systems, Smart Home Control, ...) are guided into the Data Homecabinet and terminated to the corresponding TOOLLESS LINE module, which is clipped into an empty port.

Active devices, like Internet Router, Ethernet Switch, WLAN-Access-Point, Fiber Optic Converter, Smart Home Server, were fixed to the mounting plate of the Data Homecabinet and connected (patched) to the corresponding TOOLLESS LINE module by use of short patchcords (see SCHRACK catalogue Network Technology K-DATA). For the different applications, like Internet (ADSL or via cable-provider), TV (terrestrial or SAT), Telephony, Audio/Video Intercom Systems, etc. there are different TOOLLESS LINE modules available. RJ45 (shielded/unshielded, Cat.5e/Cat.6/Cat.6A 10GB), Koax (F) and Fiber Optic (LC-Duplex, SC-Simplex). Details can be found in article list at the end of the datasheet and in SCHRACK catalogue Network Technology K-DATA.

An essential feature of these Data Homecabinets is their Flexibility, their Modularity and the Combinability with the SCHRACK Power Distribution Homecabinets DW4HE.

Flexibility: The Homecabinets are typically designed for surface mounting. For flush mounting the Combiframes DW4HR are available.

Modularity: The Homecabinets are available in 3 heights of 166, 333 and 500mm. Cabinet width (500mm) and cabinet depth (110mm) are the same in all dimensions. The dimensions of the Data Homecabinets are exactly the same as with the Power Distribution Homecabinets.

Combinability: A Data Homecabinet and a Power Distribution Homecabinet can be mounted side-by-side (up / down) by use of the baying-kit DW4HZAK1. Break-out cable-entries are provided. **Because of the modularity, e.g. a 333mm high Data Homecabinet (DW4HD226) and a 166mm high Power Distribution Homecabinet (DW4HE122) can be connected. For flush mounting, the 500mm high combiframe (DW4HR3) is used.**

Break-out cable entries are available on top, bottom and both sides of the Homecabinets available. Thus the composition of larger groups of this Homecabinets series is possible.

Door and mounting plate are made from plastic. Together with the large rear opening, it allows the installation of Wireless LAN (WiFi) Routers or Access points and ensure that the air-signal is not blocked.

The mounting plate is offset from the back wall. So devices can be installed on rear of the mounting plate and cannot be touched from the front. For example, a fiber optic splice tray can be mounted in the rear and is protected from direct access. Internet router, Ethernet switches, etc. are mounted on the front of the mounting plate and thus accessible to the end user for patching. Mounting of the devices on the plastic mounting plate by means of self-tapping screws (not included) is quick and easy.

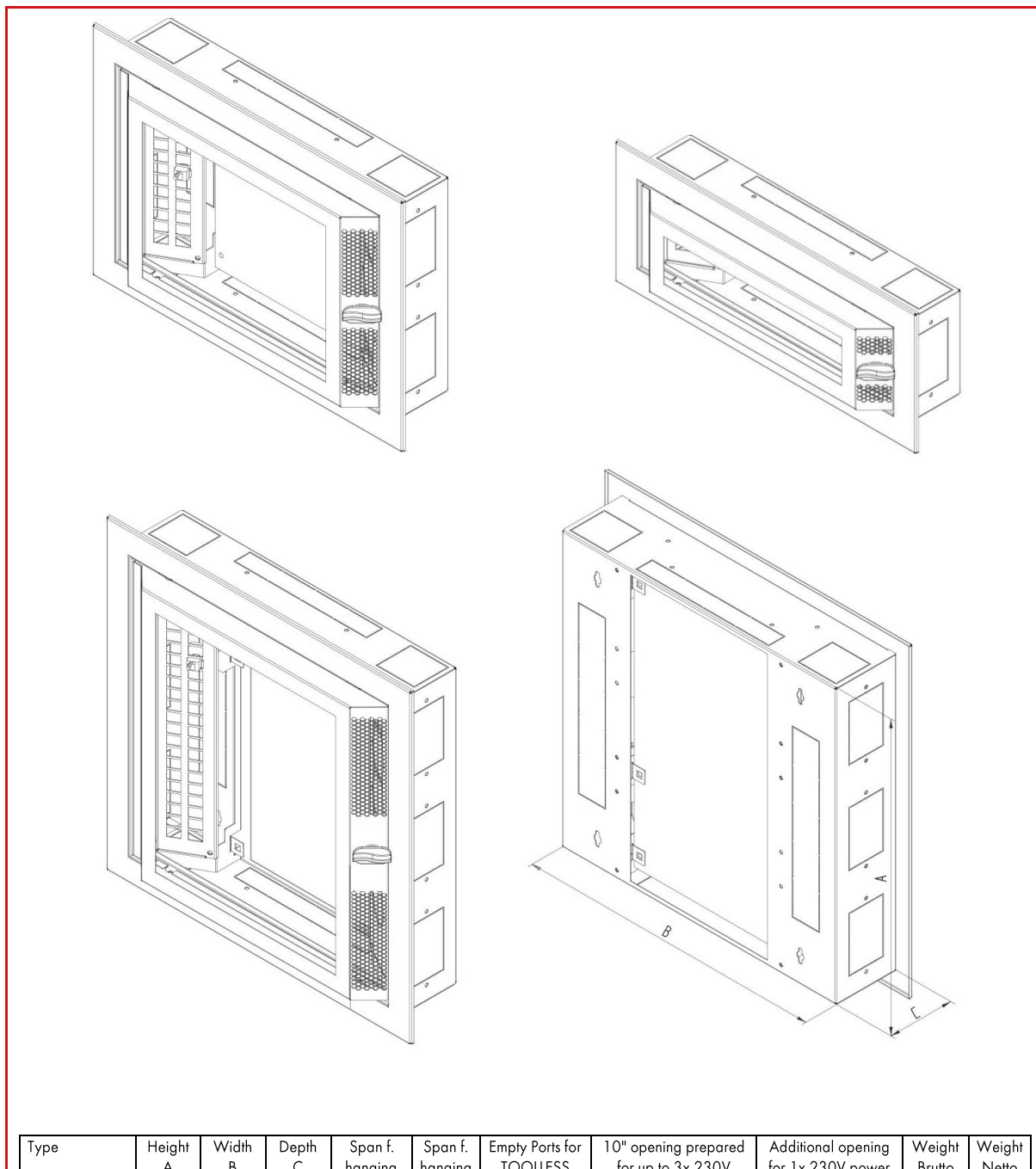
The doors of the Homecabinets are raised upward to ensure the necessary bending radius of the patchcords. Perforation on the sides of the door allows passive cooling of the installed active devices.

Hinged side panels: The side panels on both sides of the Data Homecabinet are hinged and thus allowing quick and easy installation of the terminating connectors (TOOLLESS LINE modules, 230V power sockets).

Empty ports for TOOLLESS LINE modules: The cables brought into the Data Homecabinet are terminated to a SCHRACK TOOLLESS LINE module (form factor SFA or SFB), which is snapped into one of the 8 to 44 empty ports.

Power supply: Opposite to the left set of empty data / multimedia ports, there are empty ports for 230VAC power sockets on the right side of the Data Homecabinet. Depending on cabinet size, there is mounting possibility for 1-4 piece 230VAC outlets. The number of possible outlets results from the number of 10 "opening, optionally equipped with one 10" -PDU with 3 sockets or 3 single sockets and, depending on the cabinet type, an existing additional single-socket opening.

Dimensions



Type	Height A	Width B	Depth C	Span f. hanging	Span f. hanging	Empty Ports for TOOLLESS (SFA/SFB)	10" opening prepared for up to 3x 230V power sockets	Additional opening for 1x 230V power socket	Weight Brutto	Weight Netto
	(mm)	(mm)	(mm)	(mm)	(mm)	(TE)			(kg)	(kg)
DW4HD108	166	500	110	76	390	8 (2 x 4)	0	1	4,6	4,4
DW4HD226	333	500	110	243	390	26 (2 x 13)	1	0	6,7	6,4
DW4HD344	500	500	110	410	390	44 (2 x 22)	1	1	7	6,7

Recess for installation of Homecabinet in the wall must be 15 – 20mm larger in each direction than the size of the cabinet.

Technical Data

Use:

- In-door
- The Homecabinets can be installed on the wall (Wallmount, WM) or in a prepared recess in a wall (Flushmount, FM) using standard construction methods.

Material:

- Welded frame from 1.0mm sheet steel combined with plastic PEHD 8.0mm.
- Door from 1.0mm steel combined with plastic PP-H 1.5mm.

Color:

- RAL9003 – Signalwhite

Degree of protection:

- IP20

Maximum Load:

- Homecabinet: 20kg
- Door: 2kg

Mounting (Single or combined installation):

- Wallmount: Single or combined installation top/bottom or left/right
- Flushmount: Single or combined installation top/bottom. Everytime a combiframe has to be used.

Anreihbar:

- Baying-kit DW4HZAK1.

Combinability:

- To Data Homecabinets, Series DW4HE.

Earthing:

- Main earthing-point M8 on the bottom part of the Homecabinet.
- The door of the Homecabinet is connected by an earthing wire to the frame.

Environmental Protection:

- All parts are made from recyclable materials.

DESCRIPTION	ORDER NO.
Data Homecabinet	
Data Homecabinet, 1-row, up to 8x TOOLLESS LINE modules (SFA/SFB), up to 1x socket 230V, W=500 x H=166 x D=110mm, IP20, RAL9003 Signalwhite	DW4HD108
Data Homecabinet, 2-row, up to 26x TOOLLESS LINE modules (SFA/SFB), up to 3x socket 230V, W=500 x H=333 x D=110mm, IP20, RAL9003 Signalwhite	DW4HD226
Data Homecabinet, 3-row, up to 44x TOOLLESS LINE modules (SFA/SFB), up to 4x socket 230V, W=500 x H=500 x D=110mm, IP20, RAL9003 Signalwhite	DW4HD344
Power distribution Homecabinet	
Power distribution Homecabinet, 1-row, up to 22 (1x22) modules, W=500 x H=166 x D=110mm, IP30, RAL9003 Signalwhite	DW4HE122
Power distribution Homecabinet, 2-row, up to 44 (2x22) modules, W=500 x H=333 x D=110mm, IP30, RAL9003 Signalwhite	DW4HE222
Power distribution Homecabinet, 3-row, up to 66 (3x22) modules, W=500 x H=500 x D=110mm, IP30, RAL9003 Signalwhite	DW4HE322
Combiframe for Homecabinet	
Flushmount Combiframe for Homecabinet 1-row, W=556 x H= 224 x D=6mm, RAL9003 Signalwhite	DW4HR1
Flushmount Combiframe for Homecabinet 2-row, W=556 x H= 391 x D=6mm, RAL9003 Signalwhite	DW4HR2
Flushmount Combiframe for Homecabinet 3-row, W=556 x H= 568 x D=6mm, RAL9003 Signalwhite	DW4HR3
Flushmount Combiframe for Homecabinet 4-row, W=556 x H= 724 x D=6mm, RAL9003 Signalwhite	DW4HR4
Flushmount Combiframe for Homecabinet 5-row, W=556 x H= 891 x D=6mm, RAL9003 Signalwhite	DW4HR5
Flushmount Combiframe for Homecabinet 6-row, W=556 x H=1068 x D=6mm, RAL9003 Signalwhite	DW4HR6
Baying-Kit for Homecabinets	
Connection-Kit for Homecabinets	DW4HZAK1
TOOLLESS LINE Modules Copper RJ45	
TOOLLESS LINE Jack RJ45 unshielded, Cat.5e (SFA)	HSEMRJ5UWS
TOOLLESS LINE Jack RJ45 unshielded, Cat.6 (SFA)	HSEMRJ6UWS
TOOLLESS LINE Jack RJ45 shielded, Cat.5e (SFA)	HSEMRJ5GWS
TOOLLESS LINE Jack RJ45 shielded, Cat.6 (SFA)	HSEMRJ6GWS
TOOLLESS LINE Jack RJ45 shielded Cat.6 (SFB)	HSEMRJ6GBS
TOOLLESS LINE Jack RJ45 shielded, Class Ea 10GB (SFA)	HSEMRJ6GWT
TOOLLESS LINE Jack RJ45 shielded Cat.6a 10GB (SFA)	HSEMRJ6GWA
TOOLLESS LINE Jack RJ45 shielded Cat.6a 10GB (SFB)	HSEMRJ6GBA
TOOLLESS LINE Modules Copper RJ45 - Coupler	
Coupler RJ45-RJ45 shielded, Class Ea 10GB (SFA)	HSEMRKRGWS
TOOLLESS LINE Modules Copper Coax	
Coax Coupler F-female to F-female (SFA)	HSEMRKFFWS
TOOLLESS LINE Modules Fiber Optics	
FO coupler empty for LC-Duplex/SC-Simplex (SFA)	HSEMRLLWS
FO Coupler LC-Duplex, Multimode, phosphor-bronze, without flange, grey	HMOL000103
FO Coupler LC-Duplex, Singlemode, zirconia, without flange, blue	HMOL000104
FO Coupler SC/APC-Simplex, Singlemode, w/o flange, green	HMOL000107
10" Power Distribution Units	
10" PDU, 3xSchuko, Profile ALU 1U, 2m-connector cable, RAL7035	IU070122
10" PDU, 3x UTE, Profile ALU 1U, 2m-connector cable, RAL7035	IU070123
VISIO Power Sockets Schuko	
Earthed socket, quick connection, white	EV101001
Earthed socket, screw connection, white	EV101002
Earthed socket with child protection, quick connection, white	EV101003
Earthed socket with child protection, screw connection, white	EV101004
Earthed socket quick connection, red	EV101007
Earthed socket screw connection, red	EV101008
VISIO Power Sockets UTE	
Earthed pin socket, quick connection, white	EV101049
Earthed pin socket, screw connection, white	EV101050
Earthed pin socket with child protection, quick connection, white	EV101051
Earthed pin socket with child protection, screw connection, white	EV101052
Earthed pin socket with child protection, quick connection, red	EV101055
Earthed pin socket with child protection, screw connection, red	EV101056
VISIO Frames	
Single frame, white	EV105001
Double frame, white	EV105002
Tripple frame, white	EV105003