

Newton

PRODUCT SPECIFICATION SHEET

SOLUM

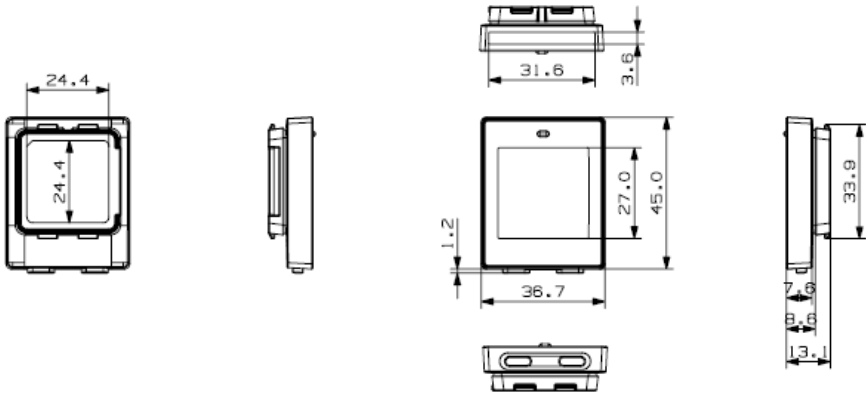
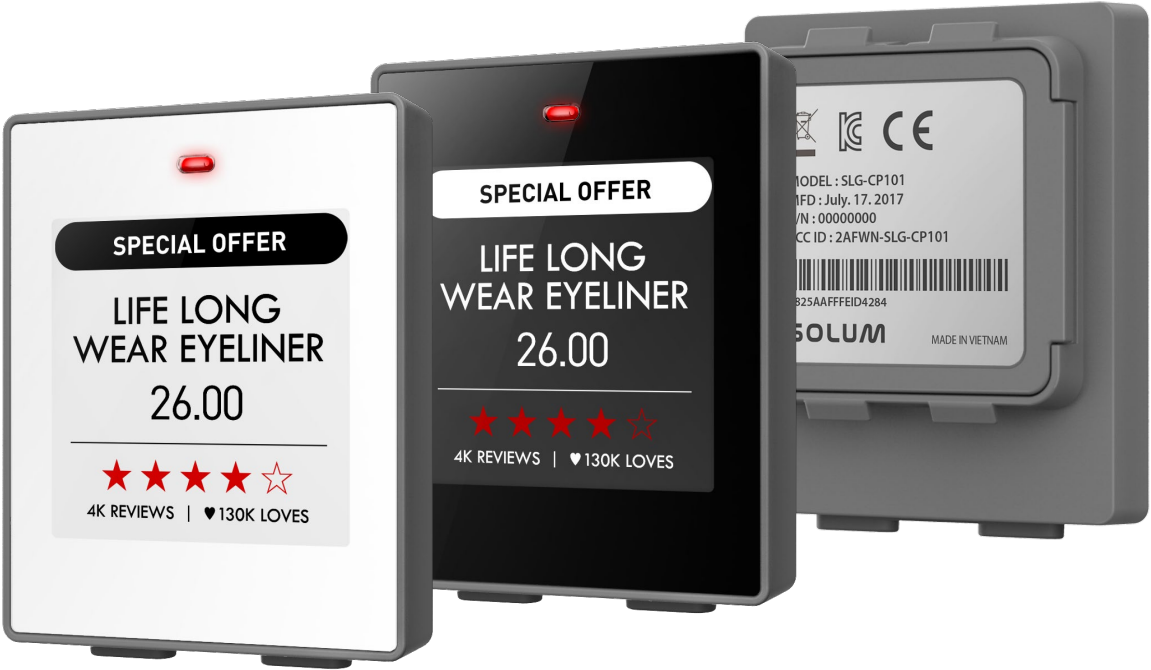
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SPECIFICATION SUMMARY

MODEL	1.6"	2.2"	2.6"	2.7"	2.9"	4.2"	4.3"	6.0"	7.5"	11.6"
DIMENSION(mm)	36.7 x 45.0 x 13.1	67.1 x 37.4 x 13.1	79.3 x 42.4 x 13.1	76.0 x 49.5 x 13.1	86.0 x 41.3 x 13.1	98.1 x 83.8 x 14.5	130.3 x 42.4 x 13.9	133.0 x 109.0 x 14.7	125.0 x 183.0 x 15.2	192.0 x 268.0 x 21.9
ACTIVE DISPLAY AREA(mm)	27.0 x 27.0	48.1 x 26.0	60.1 x 30.7	57.3 x 38.1	67.6 x 29.6	84.8 x 63.6	105.4 x 30.7	114.9 x 85.8	163.2 x 97.9	163.0 x 244.5
RESOLUTION(Pixel)	200 x 200	296 x 160	360 x 184	300 x 200	384 x 168	400 x 300	522 x 152	600 x 448	800 x 480	640 x 960
PIXEL DENSITY	184 dpi	156 dpi	152 dpi	133 dpi	144 dpi	120 dpi	125 dpi	132 dpi	126 dpi	100 dpi
DISPLAY TECHNOLOGY	Full Graphic E-Ink Display									
PIXEL COLORS	BW(Black, White) / BWR(Black, White, Red) / BWY(Black, White, Yellow)									
VIEWING ANGLE	Nearly 180°									
USABLE PAGES	Up to 7 pages	Up to 7 pages	Up to 7 pages	Up to 7 pages	Up to 7 pages	Up to 7 pages	Up to 7 pages	Up to 3 pages	Up to 3 pages	Up to 3 pages
OPERATING TEMPERATURE	0 ~ 40°									
BATTERY	CR2450 x 1	CR2450 x 2	CR2450 x 2	CR2450 x 2	CR2450 x 2	CR2450 x 2	CR2450 x 2	CR2450 x 4	CR2450 x 4	AA x 4
BATTERY LIFETIME	Up To 5 years (2 Update/day)	Up To 10 years (2 Update/day)	Up To 10 years (2 Update/day)	Up To 10 years (2 Update/day)	Up To 10 years (2 Update/day)	Up To 10 years (2 Update/day)	Up To 10 years (2 Update/day)	Up To 10 years (1 Update/day)	Up To 10 years (1 Update/day)	Up To 10 years (1 Update/day)
ENCRYPTION	128-Bit AES									
COMPLIANCE	CE, ROHS, FCC									
NFC	FeliCa NFC Forum Type 3									
WATERPROOF	IP67									
BUTTON	2 Buttons									
LED	7 Color(Red/Green/Blue/Yellow/Cyan/Magenta/White)									
ESL OPERATING FREQUENCY	2.4 Ghz									
WIRELESS FIRMWARE UPDATE	Yes									

※ This specification May varies depending on the installation environment and user scenario.

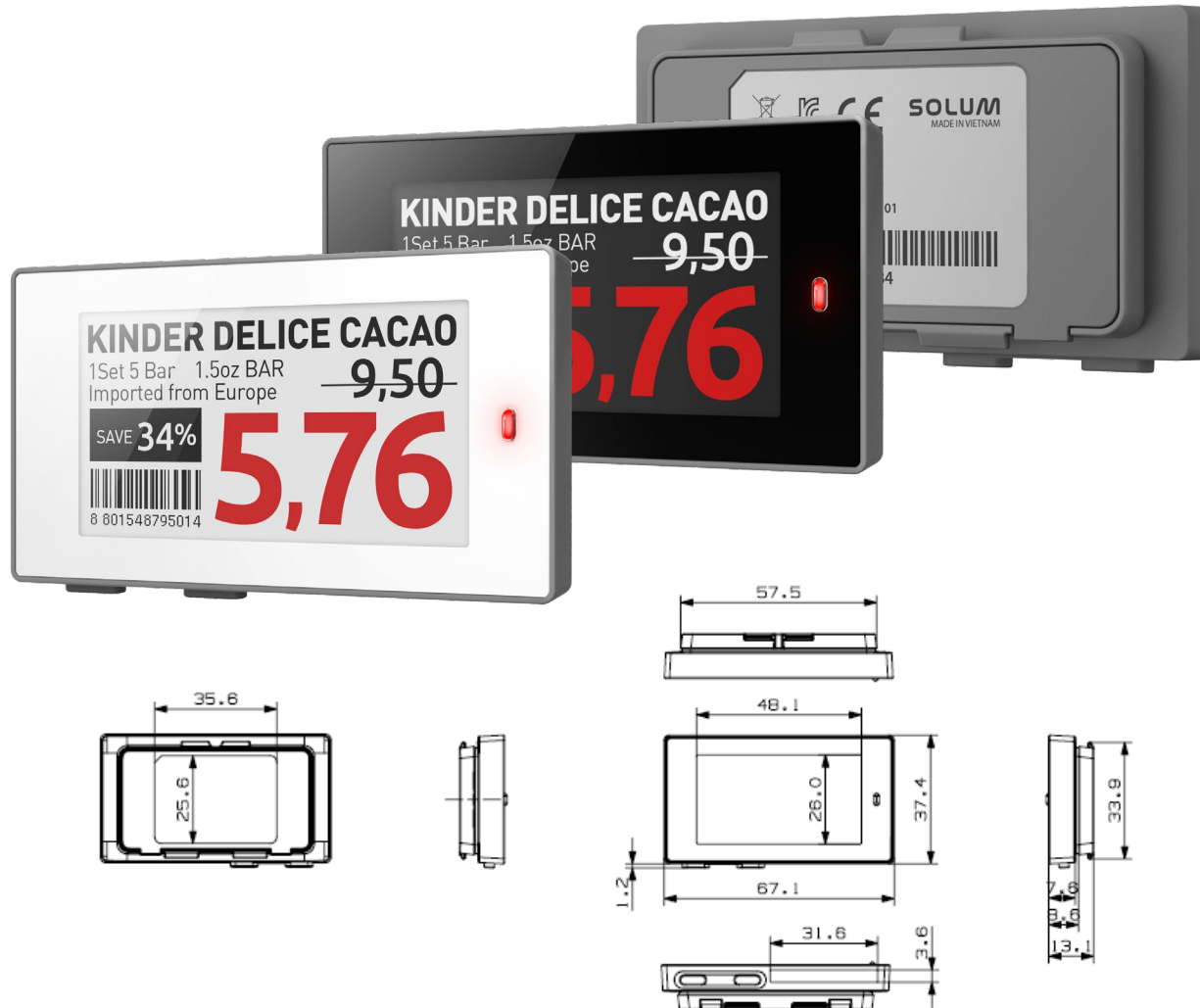
1.6 inch



MODEL	W:EL016H3WRA/WWW B:EL016H3BRA/WWW
DIMENSION (mm)	36.7 × 45.0 × 13.1
ACTIVE DISPLAY AREA (mm)	27.0 × 27.0
RESOLUTION (Pixel)	200 × 200
PIXEL DENSITY	184 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display
BEZEL COLOR	White or Black, Customizable Color(Optional)
PIXEL COLORS	BW / BWR / BWY
VIEWING ANGLE	Nearly 180°
USABLE PAGES	Up to 7 pages
OPERATING TEMPERATURE	0 ~ 40°C
BATTERY	CR2450 × 1ea
BATTERY LIFETIME	Up To 5 years (2 Update/day)
ENCRYPTION	128-Bit AES
COMPLIANCE	CE, RoHS, FCC
NFC	FeliCa NFC Forum Type 3
WATERPROOF	IP67
BUTTON	2 Buttons
LED	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
ESL OPERATING FREQUENCY	2.4 Ghz
WIRELESS FIRMWARE UPDATE	Yes

※ This specification May varies depending on the installation environment and user scenario.

2.2 inch



MODEL	W:EL022H3WRA/WWW B:EL022H3BRA/WWW
DIMENSION (mm)	67.1 × 37.4 × 13.1
ACTIVE DISPLAY AREA (mm)	48.1 × 26.0
RESOLUTION (Pixel)	296 × 160
PIXEL DENSITY	156 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display
BEZEL COLOR	White or Black, Customizable Color(Optional)
PIXEL COLORS	BW / BWR / BWY
VIEWING ANGLE	Nearly 180°
USABLE PAGES	Up to 7 pages
OPERATING TEMPERATURE	0 ~ 40°C
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Up To 10 years (2 Update/day)
ENCRYPTION	128-Bit AES
COMPLIANCE	CE, RoHS, FCC
NFC	FeliCa NFC Forum Type 3
WATERPROOF	IP67
BUTTON	2 Buttons
LED	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
ESL OPERATING FREQUENCY	2.4 Ghz
WIRELESS FIRMWARE UPDATE	Yes

※ This specification May varies depending on the installation environment and user scenario.

2.2 inch Freezer



MODEL	W:ELF22H3WMA/WWW B:ELF22H3BMA/WWW
DIMENSION (mm)	67.1 × 37.4 × 13.1
ACTIVE DISPLAY AREA (mm)	48.1 × 26.0
RESOLUTION (Pixel)	296 × 160
PIXEL DENSITY	156 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display
BEZEL COLOR	White or Black, Customizable Color(Optional)
PIXEL COLORS	BW
VIEWING ANGLE	Nearly 180°
USABLE PAGES	Up to 7 pages
OPERATING TEMPERATURE	-25 ~ 0°C
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Up To 3 years (1 Update/day)
ENCRYPTION	128-Bit AES
COMPLIANCE	CE, RoHS, FCC
NFC	FeliCa NFC Forum Type 3
WATERPROOF	IP67
BUTTON	2 Buttons
LED	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
ESL OPERATING FREQUENCY	2.4 Ghz
WIRELESS FIRMWARE UPDATE	Yes

※ This specification May varies depending on the installation environment and user scenario.

2.6 inch



MODEL	W:EL026H3WRA/WWW B:EL026H3BRA/WWW
DIMENSION (mm)	79.3 × 42.4 × 13.1
ACTIVE DISPLAY AREA (mm)	60.1 × 30.7
RESOLUTION (Pixel)	360 × 184
PIXEL DENSITY	152 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display
BEZEL COLOR	White or Black, Customizable Color(Optional)
PIXEL COLORS	BW / BWR / BWY
VIEWING ANGLE	Nearly 180°
USABLE PAGES	Up to 7 pages
OPERATING TEMPERATURE	0 ~ 40°C
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Up To 10 years (2 Update/day)
ENCRYPTION	128-Bit AES
COMPLIANCE	CE, RoHS, FCC
NFC	FeliCa NFC Forum Type 3
WATERPROOF	IP67
BUTTON	2 Buttons
LED	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
ESL OPERATING FREQUENCY	2.4 Ghz
WIRELESS FIRMWARE UPDATE	Yes

※ This specification May varies depending on the installation environment and user scenario.

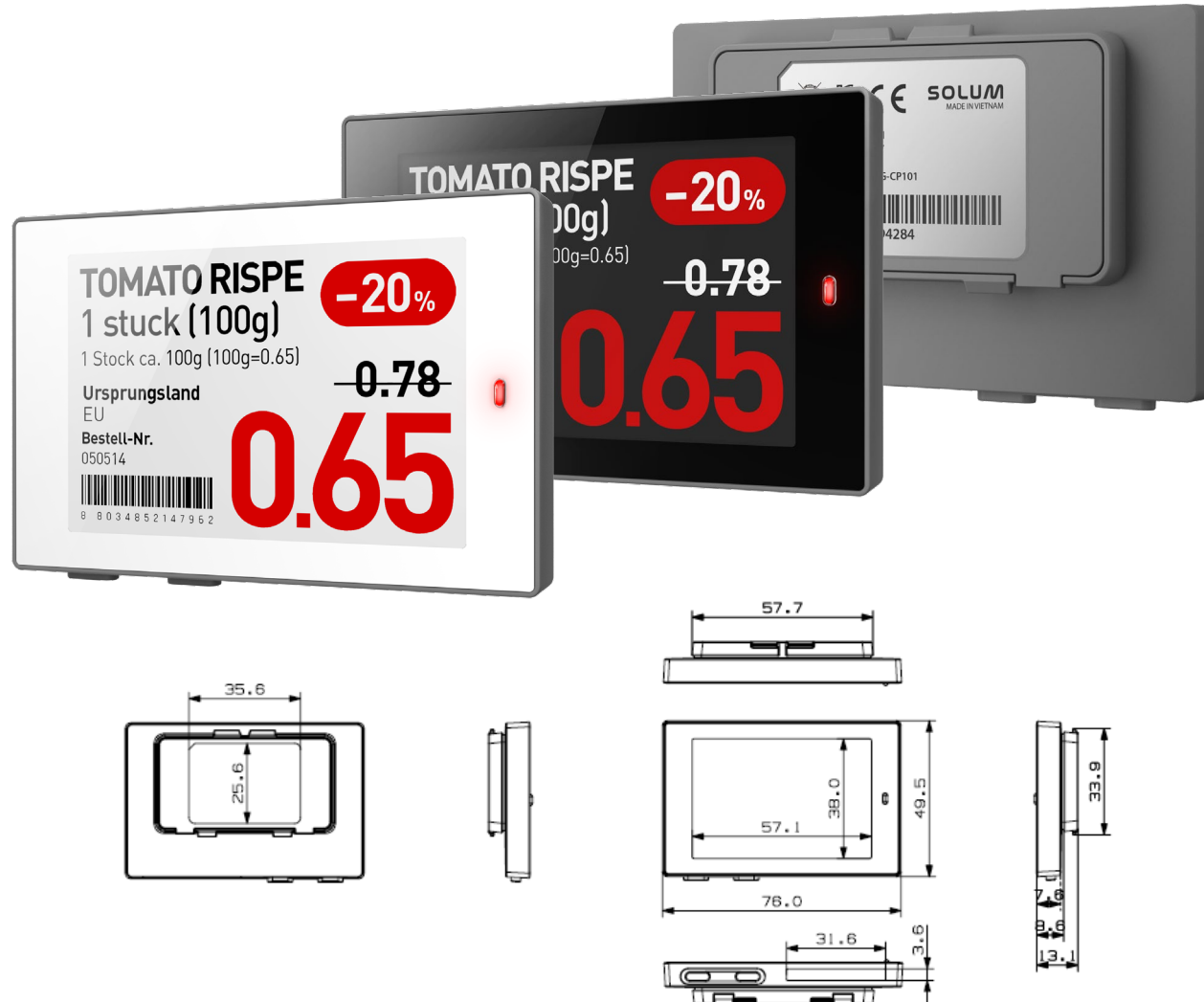
2.6 inch Freezer



MODEL	W:ELF26H3WMA/WWW B:ELF26H3BMA/WWW
DIMENSION (mm)	79.3 × 42.4 × 13.1
ACTIVE DISPLAY AREA (mm)	60.1 × 30.7
RESOLUTION (Pixel)	360 × 184
PIXEL DENSITY	152 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display
BEZEL COLOR	White or Black, Customizable Color(Optional)
PIXEL COLORS	BW
VIEWING ANGLE	Nearly 180°
USABLE PAGES	Up to 7 pages
OPERATING TEMPERATURE	-25 ~ 0°C
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Up To 3 years (1 Update/day)
ENCRYPTION	128-Bit AES
COMPLIANCE	CE, RoHS, FCC
NFC	FeliCa NFC Forum Type 3
WATERPROOF	IP67
BUTTON	2 Buttons
LED	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
ESL OPERATING FREQUENCY	2.4 Ghz
WIRELESS FIRMWARE UPDATE	Yes

※ This specification May varies depending on the installation environment and user scenario.

2.7 inch



MODEL	W:EL027H3WRA/WWW B:EL027H3BRA/WWW
DIMENSION (mm)	76.0 × 49.5 × 13.1
ACTIVE DISPLAY AREA (mm)	57.3 × 38.1
RESOLUTION (Pixel)	300 × 200
PIXEL DENSITY	133 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display
BEZEL COLOR	White or Black, Customizable Color(Optional)
PIXEL COLORS	BW / BWR / BWY
VIEWING ANGLE	Nearly 180°
USABLE PAGES	Up to 7 pages
OPERATING TEMPERATURE	0 ~ 40°C
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Up To 10 years (2 Update/day)
ENCRYPTION	128-Bit AES
COMPLIANCE	CE, RoHS, FCC
NFC	FeliCa NFC Forum Type 3
WATERPROOF	IP67
BUTTON	2 Buttons
LED	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
ESL OPERATING FREQUENCY	2.4 Ghz
WIRELESS FIRMWARE UPDATE	Yes

※ This specification May varies depending on the installation environment and user scenario.

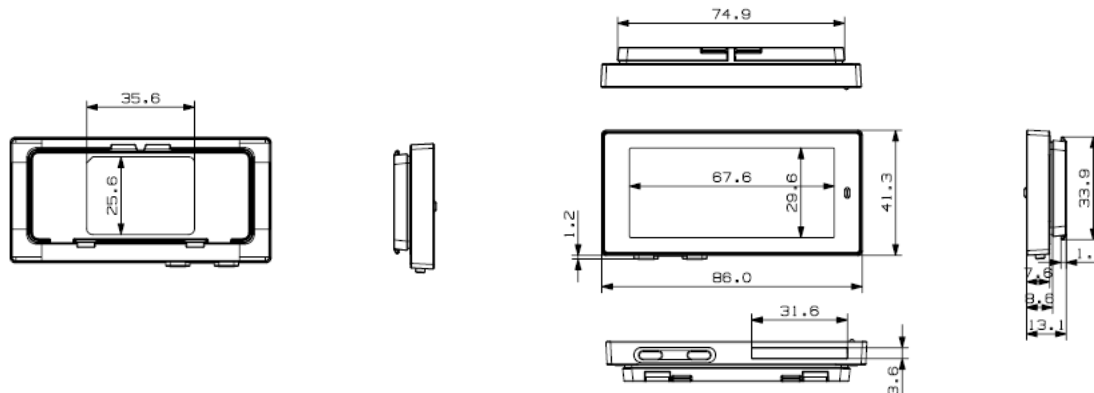
2.9 inch



MODEL	W:EL029H3WRA/WWW B:EL029H3BRA/WWW
DIMENSION (mm)	86.0 × 41.3 × 13.1
ACTIVE DISPLAY AREA (mm)	67.6 × 29.6
RESOLUTION (Pixel)	384 × 168
PIXEL DENSITY	144 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display
BEZEL COLOR	White or Black, Customizable Color(Optional)
PIXEL COLORS	BW / BWR / BWY
VIEWING ANGLE	Nearly 180°
USABLE PAGES	Up to 7 pages
OPERATING TEMPERATURE	0 ~ 40°C
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Up To 10 years (2 Update/day)
ENCRYPTION	128-Bit AES
COMPLIANCE	CE, RoHS, FCC
NFC	FeliCa NFC Forum Type 3
WATERPROOF	IP67
BUTTON	2 Buttons
LED	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
ESL OPERATING FREQUENCY	2.4 Ghz
WIRELESS FIRMWARE UPDATE	Yes

※ This specification May varies depending on the installation environment and user scenario.

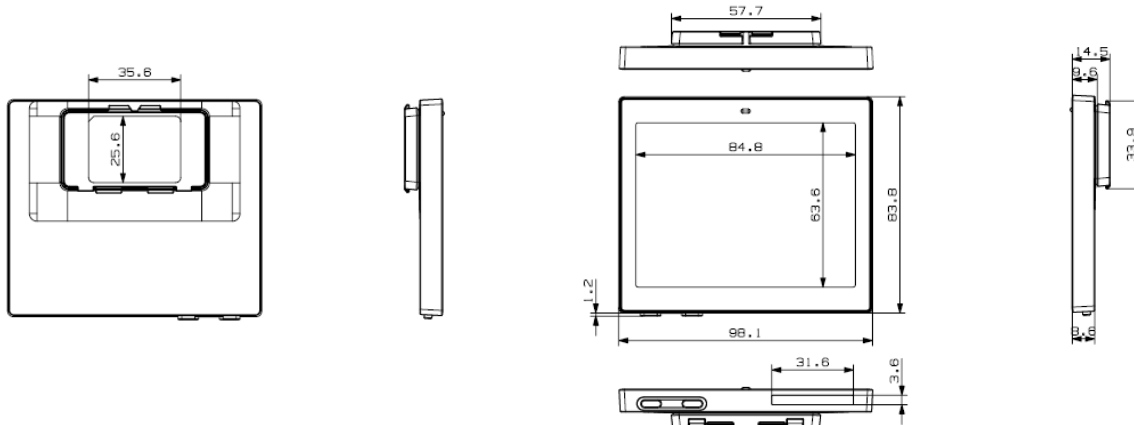
2.9 inch Freezer



MODEL	W:ELF29H3WMA/WWW B:ELF29H3BMA/WWW
DIMENSION (mm)	86.0 × 41.3 × 13.1
ACTIVE DISPLAY AREA (mm)	67.6 × 29.6
RESOLUTION (Pixel)	384 × 168
PIXEL DENSITY	144 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display
BEZEL COLOR	White or Black, Customizable Color(Optional)
PIXEL COLORS	BW
VIEWING ANGLE	Nearly 180°
USABLE PAGES	Up to 7 pages
OPERATING TEMPERATURE	-25 ~ 0°C
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Up To 3 years (1 Update/day)
ENCRYPTION	128-Bit AES
COMPLIANCE	CE, RoHS, FCC
NFC	FeliCa NFC Forum Type 3
WATERPROOF	IP67
BUTTON	2 Buttons
LED	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
ESL OPERATING FREQUENCY	2.4 Ghz
WIRELESS FIRMWARE UPDATE	Yes

※ This specification May varies depending on the installation environment and user scenario.

4.2 inch



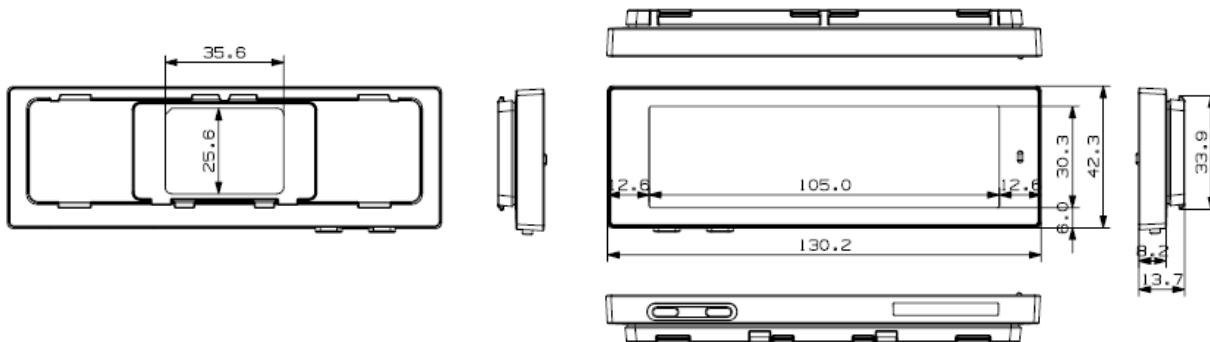
MODEL	W:EL042H3WRA/WWW B:EL042H3BRA/WWW
DIMENSION (mm)	98.1 × 83.8 × 14.5
ACTIVE DISPLAY AREA (mm)	84.8 × 63.6
RESOLUTION (Pixel)	400 × 300
PIXEL DENSITY	120 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display
BEZEL COLOR	White or Black, Customizable Color(Optional)
PIXEL COLORS	BW / BWR / BWY
VIEWING ANGLE	Nearly 180°
USABLE PAGES	Up to 7 pages
OPERATING TEMPERATURE	0 ~ 40°C
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Up To 10 years (2 Update/day)
ENCRYPTION	128-Bit AES
COMPLIANCE	CE, RoHS, FCC
NFC	FeliCa NFC Forum Type 3
WATERPROOF	IP67
BUTTON	2 Buttons
LED	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
ESL OPERATING FREQUENCY	2.4 Ghz
WIRELESS FIRMWARE UPDATE	Yes

※ This specification May varies depending on the installation environment and user scenario.

4.3 inch

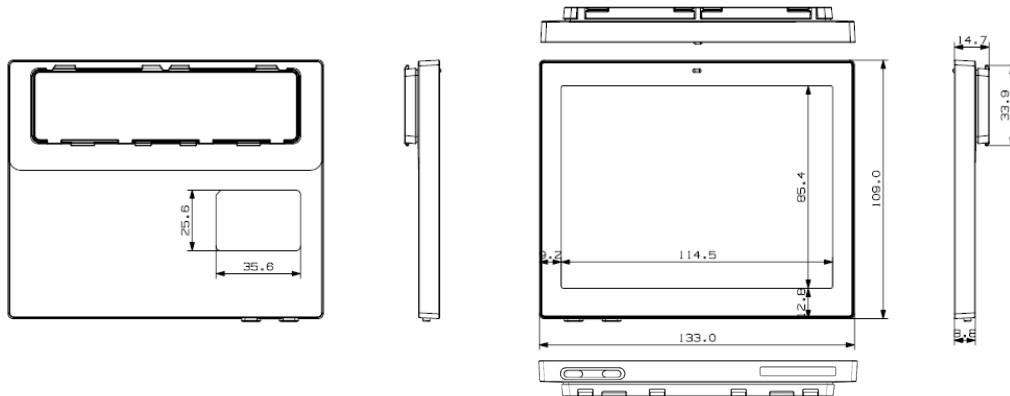


MODEL	W:EL043H3WRA/WWW B:EL043H3BRA/WWW
DIMENSION (mm)	130.3 × 42.4 × 13.9
ACTIVE DISPLAY AREA (mm)	105.4 × 30.7
RESOLUTION (Pixel)	522 × 152
PIXEL DENSITY	125 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display
BEZEL COLOR	White or Black, Customizable Color(Optional)
PIXEL COLORS	BW / BWR / BWY
VIEWING ANGLE	Nearly 180°
USABLE PAGES	Up to 7 pages
OPERATING TEMPERATURE	0 ~ 40°C
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Up To 10 years (2 Update/day)
ENCRYPTION	128-Bit AES
COMPLIANCE	CE, RoHS, FCC
NFC	FeliCa NFC Forum Type 3
WATERPROOF	IP67
BUTTON	2 Buttons
LED	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
ESL OPERATING FREQUENCY	2.4 Ghz
WIRELESS FIRMWARE UPDATE	Yes



※ This specification May varies depending on the installation environment and user scenario.

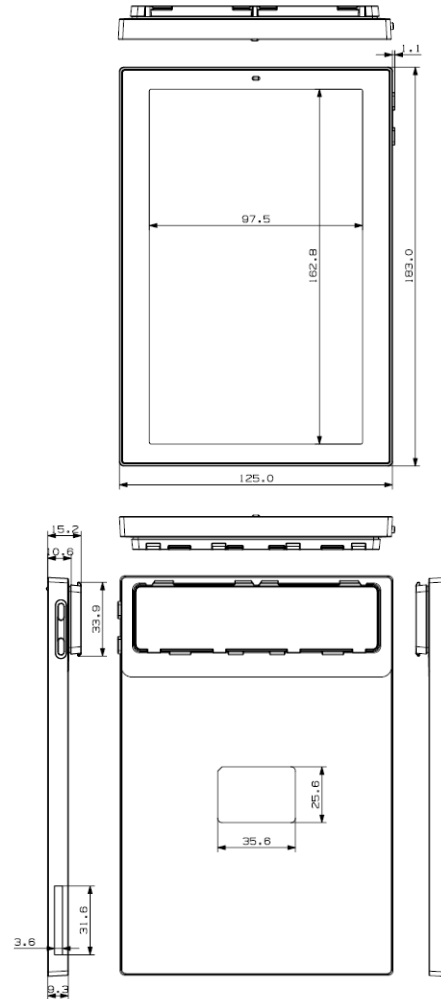
6.0 inch



MODEL	W:EL060H3WRA/WWW B:EL060H3BRA/WWW
DIMENSION (mm)	133.0 × 109.0 × 14.7
ACTIVE DISPLAY AREA (mm)	114.9 × 85.8
RESOLUTION (Pixel)	600 × 448
PIXEL DENSITY	132 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display
BEZEL COLOR	White or Black, Customizable Color(Optional)
PIXEL COLORS	BW / BWR / BWY
VIEWING ANGLE	Nearly 180°
USABLE PAGES	Up to 3 pages
OPERATING TEMPERATURE	0 ~ 40°C
BATTERY	CR2450 × 4ea
BATTERY LIFETIME	Up To 10 years (1 Update/day)
ENCRYPTION	128-Bit AES
COMPLIANCE	CE, RoHS, FCC
NFC	FeliCa NFC Forum Type 3
WATERPROOF	IP67
BUTTON	2 Buttons
LED	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
ESL OPERATING FREQUENCY	2.4 Ghz
WIRELESS FIRMWARE UPDATE	Yes

※ This specification May varies depending on the installation environment and user scenario.

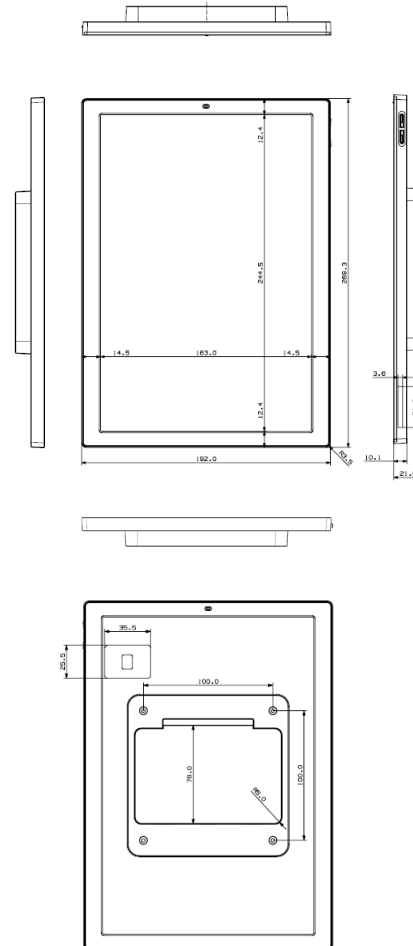
7.5 inch



MODEL	W:EL075H3WRA/WWW B:EL075H3BRA/WWW
DIMENSION (mm)	125.0 × 183.0 × 15.2
ACTIVE DISPLAY AREA (mm)	163.2 × 97.9
RESOLUTION (Pixel)	800 × 480
PIXEL DENSITY	126 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display
BEZEL COLOR	White or Black, Customizable Color(Optional)
PIXEL COLORS	BW / BWR
VIEWING ANGLE	Nearly 180°
USABLE PAGES	Up to 3 pages
OPERATING TEMPERATURE	0 ~ 40°C
BATTERY	CR2450 × 4ea
BATTERY LIFETIME	Up To 10 years (1 Update/day)
ENCRYPTION	128-Bit AES
COMPLIANCE	CE, RoHS, FCC
NFC	FeliCa NFC Forum Type 3
WATERPROOF	IP67
BUTTON	2 Buttons
LED	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
ESL OPERATING FREQUENCY	2.4 Ghz
WIRELESS FIRMWARE UPDATE	Yes

※ This specification May varies depending on the installation environment and user scenario.

11.6 inch



MODEL	W:EL116H3WRA/WWW B:EL116H3BRA/WWW
DIMENSION (mm)	192.0 × 268.0 × 21.9
ACTIVE DISPLAY AREA (mm)	163.0 × 244.5
RESOLUTION (Pixel)	640 × 960
PIXEL DENSITY	100 dpi
DISPLAY TECHNOLOGY	Full Graphic E-ink Display
BEZEL COLOR	White or Black, Customizable Color(Optional)
PIXEL COLORS	BW / BWR
VIEWING ANGLE	Nearly 180°
USABLE PAGES	Up to 3 pages
OPERATING TEMPERATURE	0 ~ 40°C
BATTERY	AA × 4ea
BATTERY LIFETIME	Up To 10 years (1 Update/day)
ENCRYPTION	128-Bit AES
COMPLIANCE	CE, RoHS, FCC
NFC	FeliCa NFC Forum Type 3
WATERPROOF	IP67
BUTTON	2 Buttons
LED	7 Colors (Red/Green/Blue/Yellow/Cyan/Magenta/White)
ESL OPERATING FREQUENCY	2.4 Ghz
WIRELESS FIRMWARE UPDATE	Yes

※ This specification May varies depending on the installation environment and user scenario.

Newton PRODUCT SPECIFICATION SHEET

THANK YOU

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