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 mm / 1.44 x 1.77 x 0.51 inch	67.1 x 37.4 x 13.1 mm / 2.64 x 1.47 x 0.51 inch	79.3 x 42.4 x 13.1 mm / 3.12 x 1.66 x 0.51 inch	76.0 x 49.5 x 13.1 mm / 2.99 x 1.94 x 0.51 inch	86.0 x 41.3 x 13.1 mm / 3.38 x 1.62 x 0.51 inch	98.1 x 83.8 x 14.5 mm / 3.86 x 3.29 x 0.57 inch	130.2 x 42.3 x 13.7 mm / 5.12 x 1.66 x 0.54	133.0 x 109.0 x 14.7 mm / 5.23 x 4.29 x 0.57 inch	125.0 x 183.0 x 15.2 mm / 4.92 x 7.20 x 0.59 inch	192.0 x 269.3 x 21.9 mm / 7.55 x 10.55 x 0.86 inch
ACTIVE DISPLAY AREA(mm/inch)	27.0 x 27.0 mm / 1.06 x 1.06 inch	48.1 x 26.0 mm / 1.89 x 1.02 inch	60.1 x 30.7 mm / 2.36 x 1.20 inch	57.1 x 38.0 mm / 2.25 x 1.50 inch	67.6 x 29.6 mm / 2.66 x 1.16 inch	84.8 x 63.6 mm / 3.33 x 2.50 inch	105.0 x 30.3 mm / 4.14 x 1.20 inch	114.5 x 85.4 mm / 4.52 x 3.37 inch	162.8 x 97.5 mm / 6.42 x 3.85 inch	163.0 x 244.5 mm / 6.41 x 9.62 inch
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)								BW(Black, White) / BWR(Black, White, Red)	
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℃(32 ~ 104℉) ※ The expected battery life is 10 years in 10℃~40℃(50 ~ 104℉), 5 years in 0℃~10℃(32 ~ 50℉) and 3 years in -0℃~-25℃(32 ~ -13℉)									
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	Over 5 years (2 Update/day)	Over 10 years (2 Update/day)	Over 10 years (2 Update/day)	Over 10 years (2 Update/day)	Over 10 years (2 Update/day)	Over 10 years (2 Update/day)	Over 10 years (2 Update/day)	Over 10 years (1 Update/day)	Over 10 years (1 Update/day)	Over 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.

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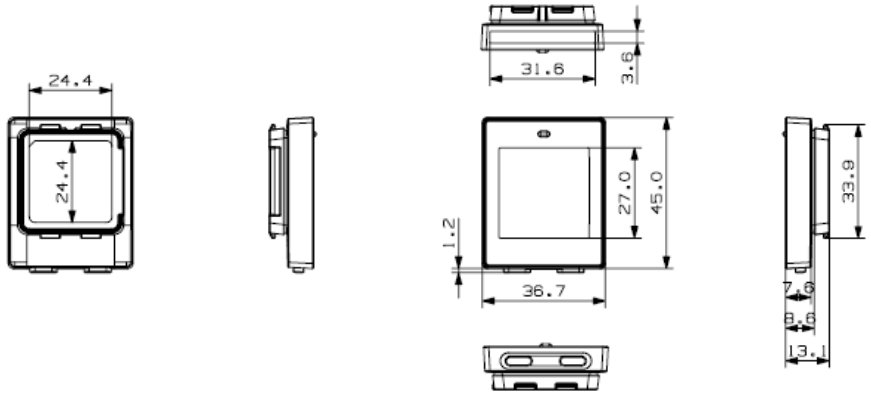
1.6 inch



MODEL	**W**:EL016H3WRA/WWW **B**:EL016H3BRA/WWW
DIMENSION	36.7 × 45.0 × 13.1 mm / 1.44 × 1.77 × 0.51 inch
ACTIVE DISPLAY AREA	27.0 × 27.0 mm / 1.06 × 1.06 inch
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℃ (32 ~ 104℉)
BATTERY	CR2450 × 1ea
BATTERY LIFETIME	Over 5 years (2 Update/day) ※ 3 years in 0°~10°
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

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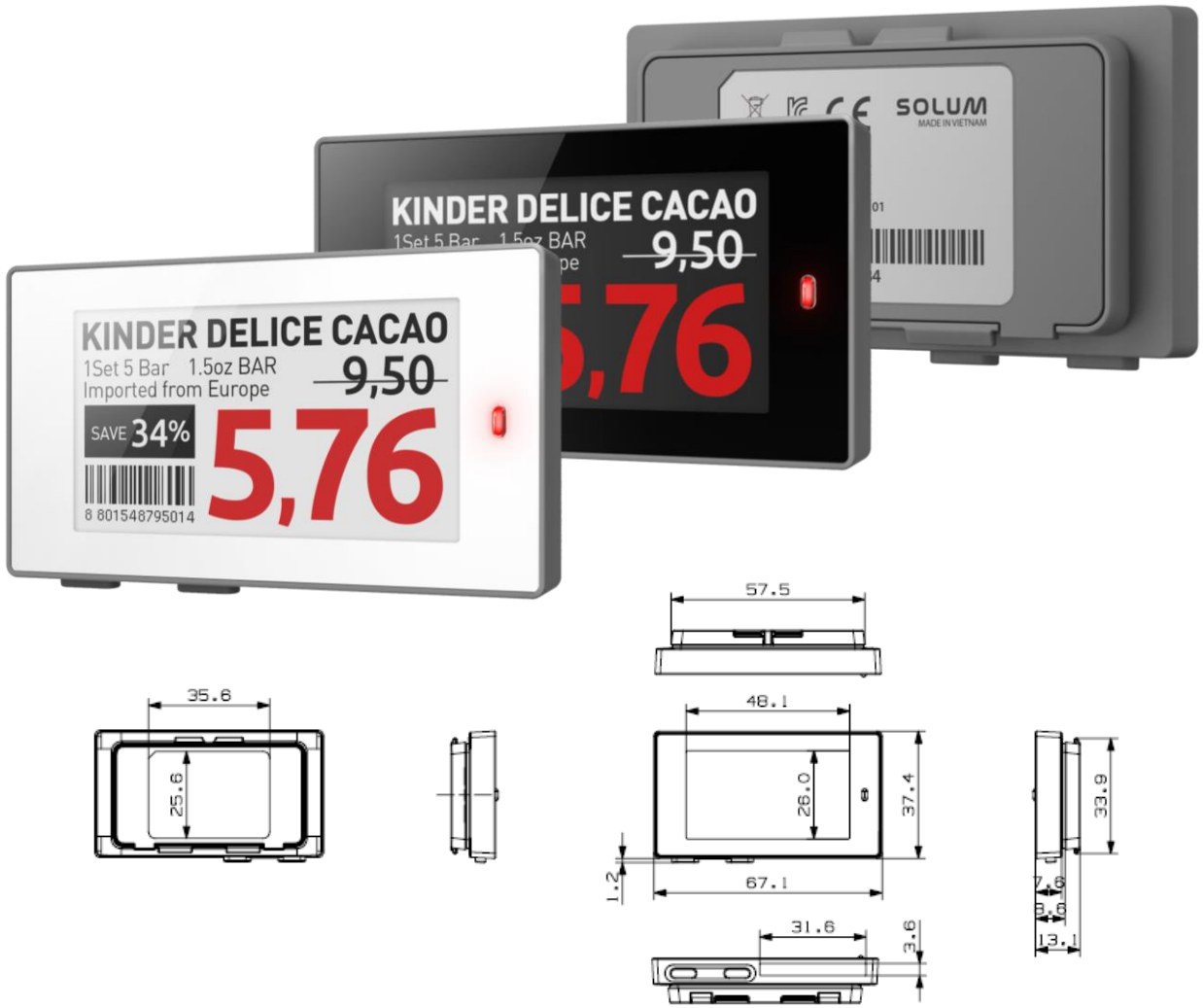
2.2 inch



MODEL	**W**:EL022H3WRA/WWW **B**:EL022H3BRA/WWW
DIMENSION	67.1 × 37.4 × 13.1 mm / 2.64 × 1.47 × 0.51 inch
ACTIVE DISPLAY AREA	48.1 × 26.0 mm / 1.89 × 1.02 inch
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℃ (32 ~ 104℉)
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Over 10 years (2 Update/day) ※ 5 years in 0°~10°
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

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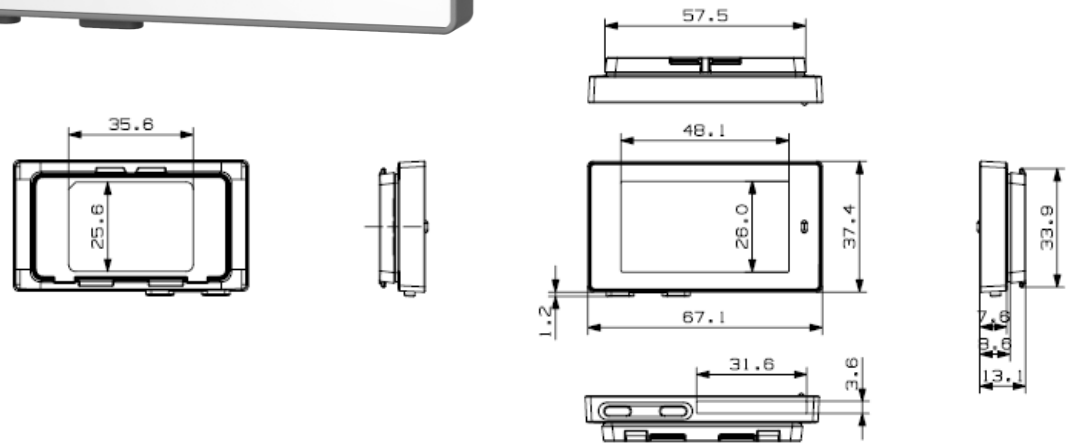
2.2 inch Freezer



MODEL	**W**:ELF22H3WMA/WWW **B**:ELF22H3BMA/WWW
DIMENSION	67.1 × 37.4 × 13.1 mm / 2.64 × 1.47 × 0.51 inch
ACTIVE DISPLAY AREA	48.1 × 26.0 mm / 1.89 × 1.02 inch
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℃ (-13 ~ 32℉)
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Over 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

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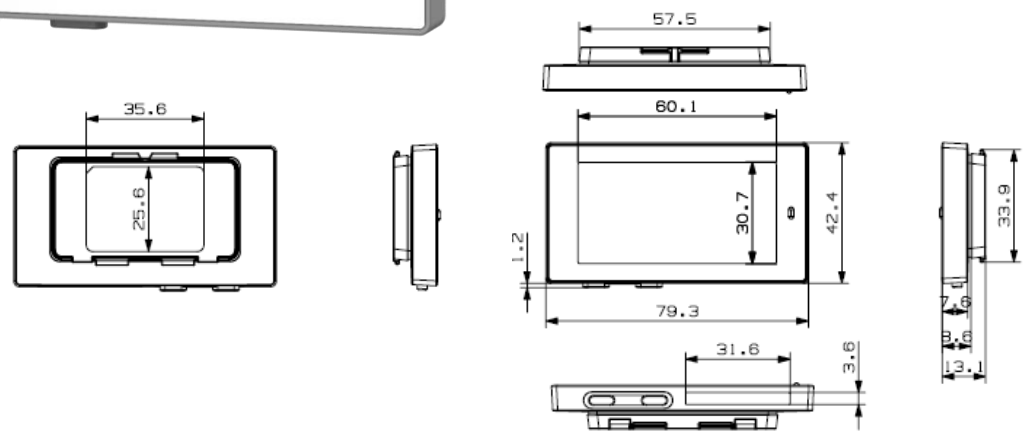
2.6 inch



MODEL	**W**:EL026H3WRA/WWW **B**:EL026H3BRA/WWW
DIMENSION	79.3 × 42.4 × 13.1 mm / 3.12 × 1.66 × 0.51 inch
ACTIVE DISPLAY AREA	60.1 × 30.7 mm / 2.36 × 1.20 inch
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℃ (32 ~ 104℉)
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Over 10 years (2 Update/day) ※ 5 years in 0°~10°
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

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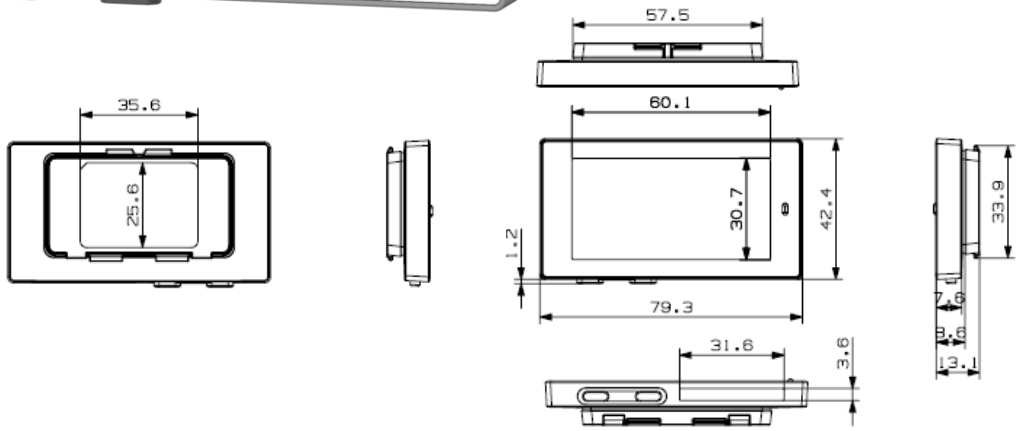
2.6 inch Freezer



MODEL	**W**:ELF26H3WMA/WWW **B**:ELF26H3BMA/WWW
DIMENSION	79.3 × 42.4 × 13.1 mm / 3.12 × 1.66 × 0.51 inch
ACTIVE DISPLAY AREA	60.1 × 30.7 mm / 2.36 × 1.20 inch
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℃ (-13 ~ 32℉)
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Over 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

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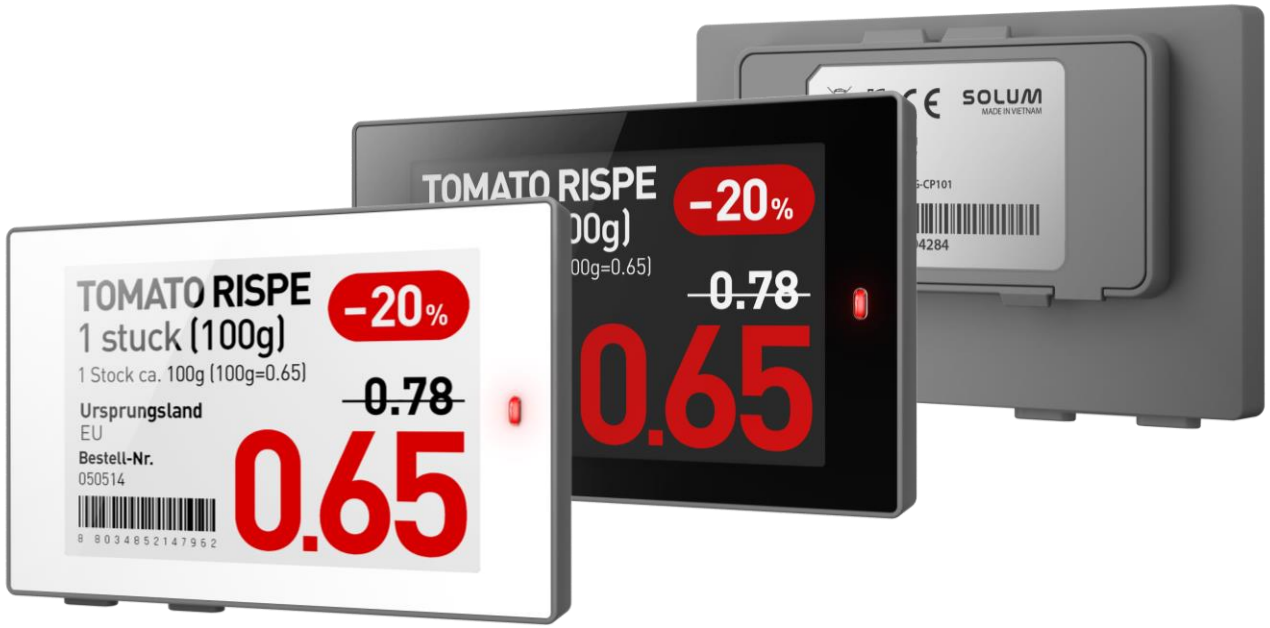
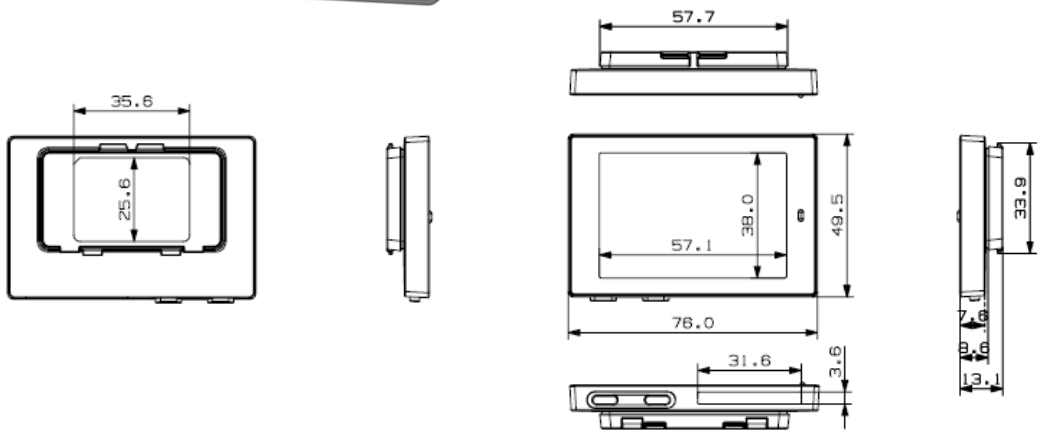
2.7 inch





MODEL	**W**:EL027H3WRA/WWW **B**:EL027H3BRA/WWW
DIMENSION	76.0 × 49.5 × 13.1 mm / 2.99 × 1.94 × 0.51 inch
ACTIVE DISPLAY AREA	57.1 × 38.0 mm / 2.25 × 1.50 inch
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℃ (32 ~ 104℉)
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Over 10 years (2 Update/day) ※ 5 years in 0°~10°
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

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2.9 inch

MODEL	**W**:EL029H3WRA/WWW **B**:EL029H3BRA/WWW
DIMENSION	86.0 × 41.3 × 13.1 mm / 3.38 × 1.62 × 0.51 inch
ACTIVE DISPLAY AREA	67.6 × 29.6 mm / 2.66 × 1.16 inch
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℃ (32 ~ 104℉)
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Over 10 years (2 Update/day) ※ 5 years in 0°~10°
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

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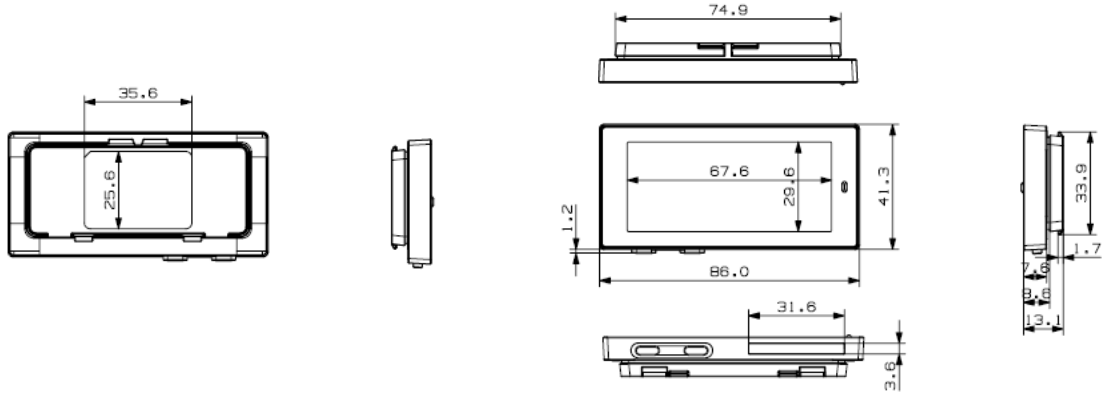
2.9 inch Freezer



MODEL	**W**:ELF29H3WMA/WWW **B**:ELF29H3BMA/WWW
DIMENSION	86.0 × 41.3 × 13.1 mm / 3.38 × 1.62 × 0.51 inch
ACTIVE DISPLAY AREA	67.6 × 29.6 mm / 2.66 × 1.16 inch
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℃ (-13 ~ 32℉)
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Over 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

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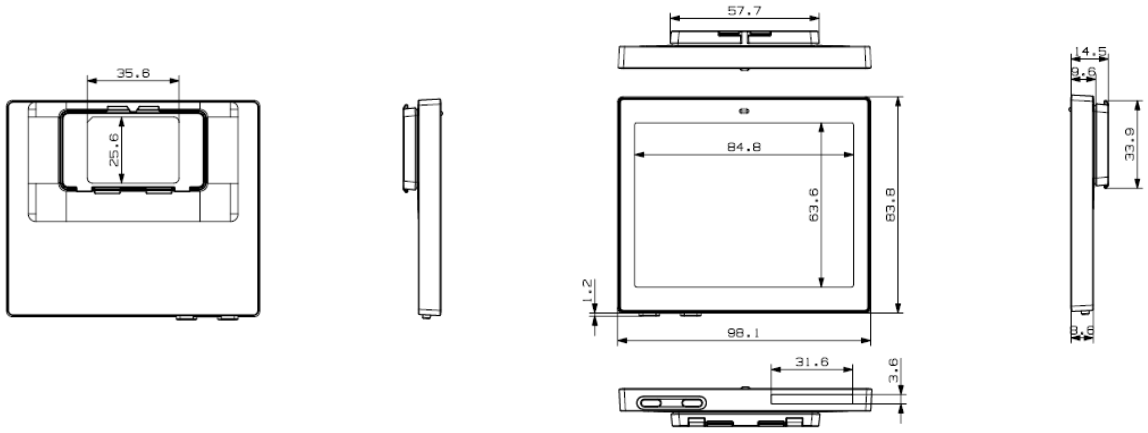
4.2 inch



MODEL	**W**:EL042H3WRA/WWW **B**:EL042H3BRA/WWW
DIMENSION	98.1 × 83.8 × 14.5 mm / 3.86 × 3.29 × 0.57 inch
ACTIVE DISPLAY AREA	84.8 × 63.6 mm / 3.33 × 2.50 inch
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℃ (32 ~ 104℉)
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Over 10 years (2 Update/day) ※ 5 years in 0°~10°
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

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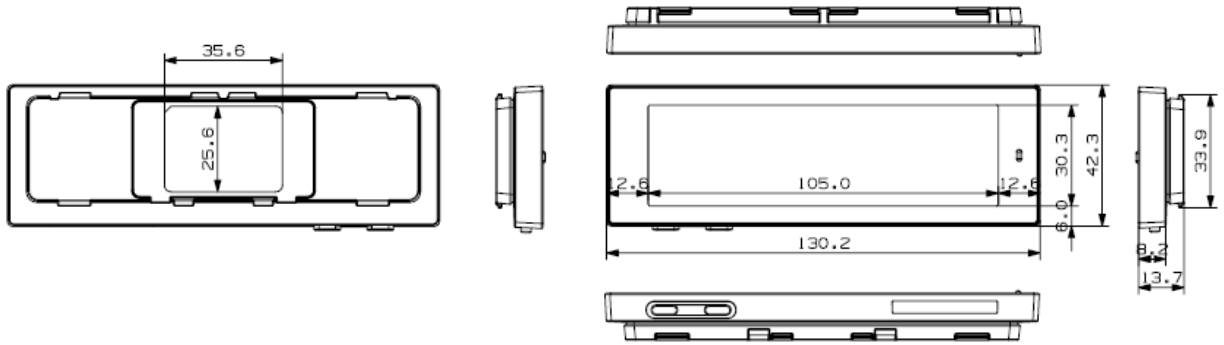
4.3 inch



MODEL	**W**:EL043H3WRA/WWW **B**:EL043H3BRA/WWW
DIMENSION	130.2 × 42.3 × 13.7 mm / 5.12 × 1.66 × 0.54 inch
ACTIVE DISPLAY AREA	105.0 × 30.3 mm / 4.13 × 1.19 inch
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℃ (32 ~ 104℉)
BATTERY	CR2450 × 2ea
BATTERY LIFETIME	Over 10 years (2 Update/day) ※ 5 years in 0°~10°
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

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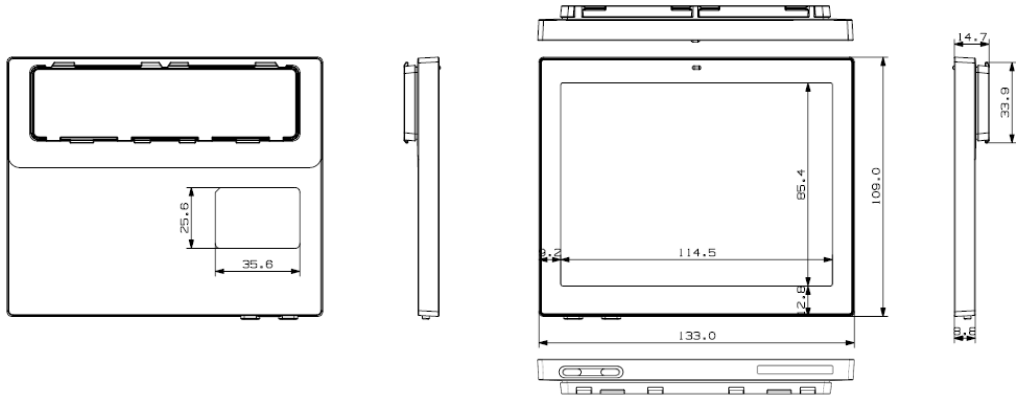
6.0 inch



MODEL	**W**:EL060H3WRA/WWW **B**:EL060H3BRA/WWW
DIMENSION	133.0 × 109.0 × 14.7 mm / 5.23 × 4.29 × 0.57 inch
ACTIVE DISPLAY AREA	114.5 × 85.4 mm / 4.51 × 3.36 inch
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℃ (32 ~ 104℉)
BATTERY	CR2450 × 4ea
BATTERY LIFETIME	Over 10 years (1 Update/day) ※ 5 years in 0°~10°
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

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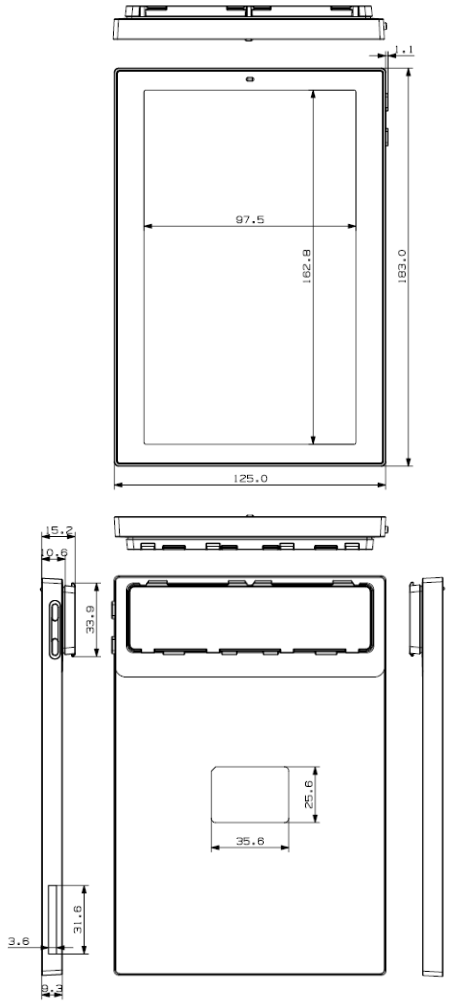
7.5 inch



MODEL	**W**:EL075H3WRA/WWW **B**:EL075H3BRA/WWW
DIMENSION	125.0 × 183.0 × 15.2 mm / 4.92 × 7.20 × 0.59 inch
ACTIVE DISPLAY AREA	97.5 × 162.8 mm / 3.84 × 6.41 inch
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℃ (32 ~ 104℉)
BATTERY	CR2450 × 4ea
BATTERY LIFETIME	Over 10 years (1 Update/day) ※ 5 years in 0°~10°
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.

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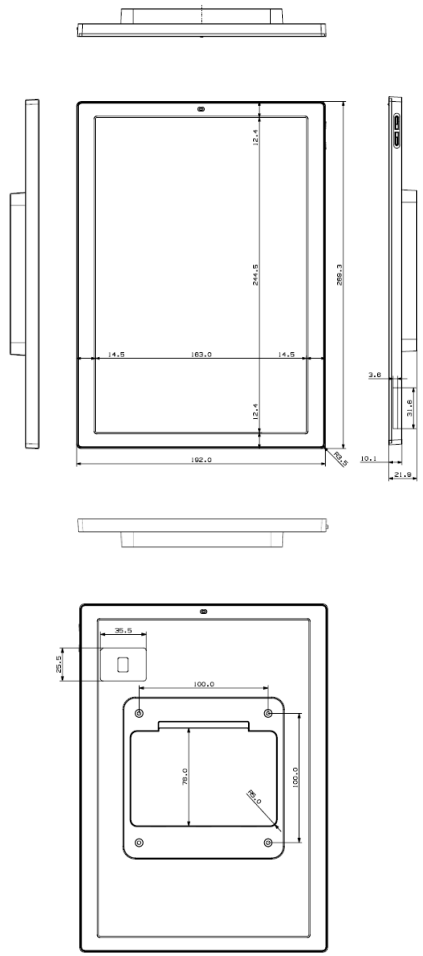
11.6 inch



MODEL	**W**:EL116H3WRA/WWW **B**:EL116H3BRA/WWW
DIMENSION	192.0 × 269.3 × 21.9 mm / 7.56 × 10.60 × 0.86 inch
ACTIVE DISPLAY AREA	163.0 × 244.5 mm / 6.41 × 9.62 inch
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 / BWY
VIEWING ANGLE	Nearly 180˚
USABLE PAGES	Up to 3 pages
OPERATING TEMPERATURE	0 ~ 40℃ (32 ~ 104℉)
BATTERY	AA × 4ea
BATTERY LIFETIME	Over 10 years (1 Update/day) ※ 5 years in 0°~10°
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

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