# EPD-770 & EPD-780

## 2 x 13.3" ePaper Dual Display Device

**NEW**

## Features

- 2 x 13.3" ePaper panel display: EPD-770 & EPD-780 (black/white)
- Supports -15 ~ 65 °C operating temperatures
- Hig-performance integrated system
- IP66 water- & dust- proof enclosure
- Featuring the ARK ePaper Manager Server
- Data transmission interface in Wi-Fi, 4G/LTE card, or USB cable
- Front cover glass wth IK08 , UV-cut and  direct bonding on ePaper
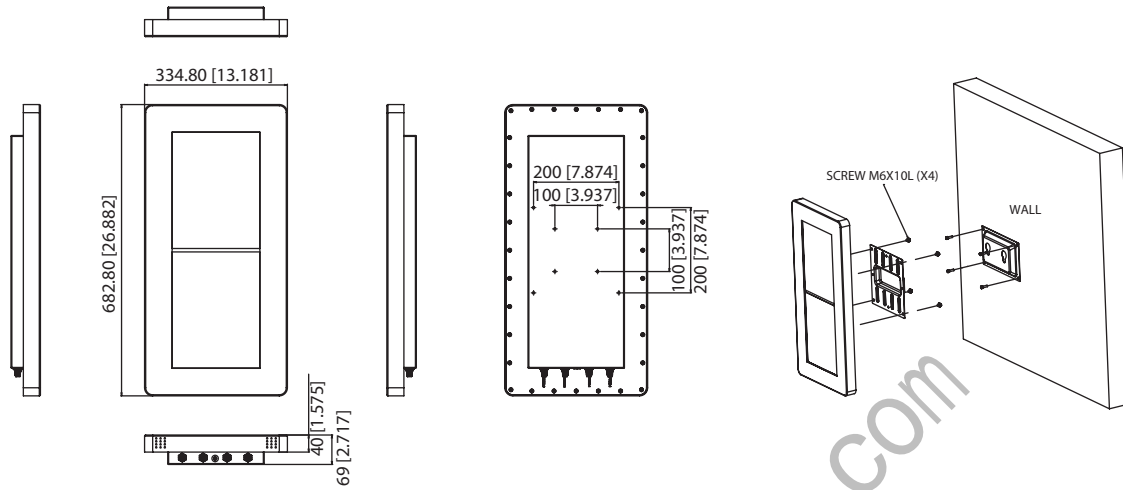
## Introduction

The Advantech EPD-770 & EPD-780 can support hospital, factory, smart city and retail applications; and features optimized power consumption and device management. In addition, application layers can acquire data easily and commuincate with ePaper devices through an ePaper manager server. This EPD total solutions enables SI to focus on application development.
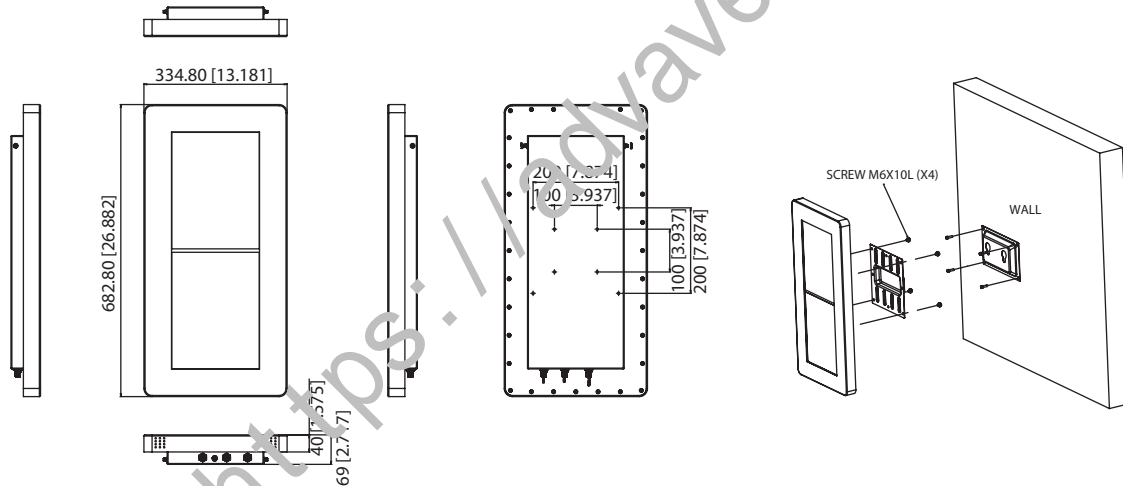
## Specifications

| | | |
|---|---|---|
| ePaper Display | Screen Size | 582 x 234 mm |
| | Resolution | 2 x 1600x1200 pixel |
| | Color | 16 gray level |
| System IO | | 2 x USB (M12 type) for data transmission for EPD-780<br>1 x Power (M12 type) for EPD-770<br>1 x LAN (M12 type) for EPD-770 |
| Environment | Operational Temperature | -15 ~ 65 °C (B/W) |
| | Non-Operational Temp. | -25 ~ 70 °C (B/W) |
| | Operating Humidity | 0 ~ 80% relative humidity, non-condensing |
| Housing Mechanical (preliminary) | Material Type | IP66 rated plastic housing defends against water and dust ingress (1 year warranty) |
| | Dimension | 682 x 334 x 69 mm |
| | Weight | 10.7 KG |
| EPD and Cover Glas | Lamination OCA | UV cut & explosion-proof glass |
| | IK Level | IK08 |
| Power | | 12V/3A for EPD-770<br>5V/2A for EPD-780 |

Note: The theoretical throughput of 802.11n on device is 180Mbps

## EPD-780



## EPD-770



## Ordering Information

| Model Name | Part No. | Description |
|---|---|---|
| EPD-770 | EPD-770-102 | 13.3" black/white ePaper dual display device solution in 2.4G Wi-Fi without battery |
|  | EPD-770-103 | 13.3" black/white ePaper dual display device solution in 4G/LTE without battery |
| EPD-780 | EPD-780-102 | 13.3" black/white ePaper dual display device solution with USB interface without battery |

## Development Kit Ordering Information

|  | Part No. | Description |
|---|---|---|
| EPD device | EPD-780-102 or EPD-770-102 or EPD-770-103 | 13.3" black/white ePaper dual display device |
| DeviceOn/ ePaper Server | ARK-1123H-EP2A2 for Entry | Ubuntu 18.4/1T HD/8G RAM with ePaper Manager Software featuring 100 x device licenses |

* Ordering EPD device, and ARK ePaper Manager Server one each to try Advantech EPD display solution

## Packing List

| Model Name | Part No. | Description |
|---|---|---|
| EPD-770 | EPD-770-102 | 1. 13.3" black/white dual ePaper display 2. 1 x ePaper driving board and housing 3. 2.4G Wi-Fi |
|  | EPD-770-103 | 1. 13.3" black/white dual ePaper display 2. 1 x ePaper driving board and housing 3. AIW-343 4G/LTE card |
| EPD-780 | EPD-780-102 | 1. 13.3" black/white dual ePaper display 2. 1 x ePaper driving board and housing 3. M12 USB Type-A 0.6m (external) 4 x 1700031354-01 |

* All Eink Panel inspection criteria refer to Eink CAS & Inspection standard document.

## Optional Accessories

| Part No. | Description |
|---|---|
| 1700031355-01 | M12 USB Type-A 1m (external) |