

# APEXA® PRIME



## Features

- Extremely Powerful and Future-Proof 7th Gen. Intel® Core™ i5 Processor
- 15" Bezel-Free True-Flat Display with PCAP Touch
- Ideal for Mission-Critical Applications in Retail and Hospitality Environments
- Sleek and Compact Body with Small Footprint
- Multiple I/O Interfaces for Peripherals
- Optional Powered USB for Peripheral Connections
- Designed for Countertop or Wall-Mount Solutions
- Faster Installation and Serviceability

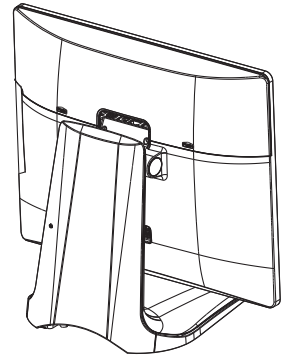
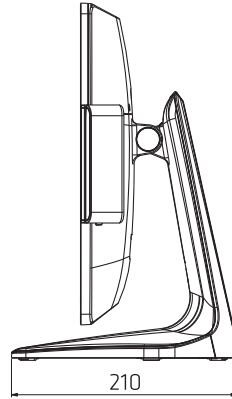
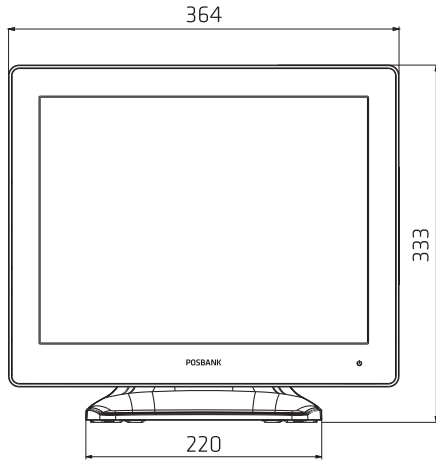
## Specifications

### IT8786E

|                                       |                                |  |  |
|---------------------------------------|--------------------------------|--|--|
| System                                | <b>Processors</b>              | Intel® Core™ i5-7200U (3M Cache, 3.10 GHz, 2 Cores)<br>Intel® Pentium® 4415U (2M Cache, 2.30 GHz, 2 Cores)   |  |
|                                       | <b>Chipset</b>                 | ITE Tech IT8786E   |  |
|                                       | <b>Memory</b>                  | 4GB Standard, DDR4L 2133 MT/s, Socket 1x SODIMM (Max. 16GB)  |  |
|                                       | <b>Storage</b>                 | SATA 3 (6Gb/s) 2.5 inch SSD 64GB, Support AHCI   |  |
|                                       | <b>Operating Systems</b>       | Windows 7, Windows 8.1, Windows 10 IoT Enterprise, POS Ready 7   |  |
| Display                               | <b>Audio</b>                   | Realtek ALC662-VD  |  |
|                                       | <b>Type</b>                    | 15" TFT LCD, LED Backlight   |  |
|                                       | <b>Resolution</b>              | 1024 x 768   |  |
|                                       | <b>Brightness</b>              | 300 cd/m <sup>2</sup> (typ.)   |  |
| Interface                             | <b>Touchscreen</b>             | Projective Capacitive Touch  |  |
|                                       | <b>Display</b>                 | 1x VGA (With Power Output)   |  |
|                                       | <b>USB</b>                     | 6 (Rear 2, Back 4, USB 3.0 x 2, USB 2.0 x 4)<br>3 (Reserved for MSR, SCR, i-Button / Touch Controller / Camera), RJ-45   |  |
|                                       | <b>Serial</b>                  | 6 (COM 1 with 5V/12V Power Output on 9 Pins, BIOS)<br>(COM2~3 RJ-45, Full Signal)<br>(COM4 RJ-11, Only TX/RX, 12V Power Output, Reserved for CDP)<br>(COM5 Reserved for Cash Drawer Port)<br>(COM6 RJ-45, Only TX/RX, 5V Power Output, Reserved for MSR) |  |
|                                       | <b>LAN</b>                     | 1x Gigabit Ethernet, RJ-45   |  |
|                                       | <b>Audio</b>                   | 1x Line-out  |  |
|                                       | <b>Power DC-IN</b>             | 1x (3 Pin Connector)   |  |
|                                       | <b>Extension Slot</b>          | Mini PCIe, m-SATA  |  |
|                                       | <b>Power Supply</b>            | Adaptor 24V, 2A / 24V, 4A (Powered USB Option)   |  |
|                                       | Physical & Environmental       | <b>Operating Temperature</b>   | 0 °C ~ 60 °C at 10% to 90% Humidity                            |
| <b>Storage Temperature</b>            |                                | -20 °C ~ 80 °C at 10% to 90% Humidity  |  |
| <b>Dimensions (W x H x D)</b>         |                                | 364 x 333 x 210 (mm), 14.3 x 13.1 x 8.2 (in)   |  |
| <b>Packing Dimensions (W x H x D)</b> |                                | 500 x 470 x 300 (mm), 19.6 x 18.5 x 11.8 (in)  |  |
| <b>Net Weight</b>                     |                                | 5,300g, 11.6lbs  |  |
| <b>Packing Weight</b>                 |                                | 8,000g, 17.6lbs  |  |
| <b>Certification</b>                  |                                | CE, FCC, KC, CB, CCC   |  |
| <b>Color</b>                          |                                | Matte Dark Grey, High Gloss White  |  |
| Options & Peripherals                 |                                | <b>2nd Displays</b>  | 9.7", 12.1", 15" LCD Display, 1024 x 768, Optional Touchscreen |
|                                       |                                | <b>Customer Display</b>  | VFD, 20 Columns x 2 Lines                                      |
|                                       | <b>I/O Expansion</b>           | 1x COM5 (RJ-45 8 Pins) (Factory Option)  |  |
|                                       |                                | 1x Cash Drawer Port (Factory Option)   |  |
|                                       |                                | 1x Powered USB (24V)   |  |
|                                       | <b>Storage</b>                 | 2.5 inch SSD 128GB, HDD 500GB, 1TB   |  |
|                                       | <b>Magnetic Stripe Reader</b>  | Comply with ISO 7811, Support 1 & 2 & 3 Track  |  |
|                                       | <b>Smart Card Reader</b>       | EMV Level 1, 2   |  |
|                                       | <b>Dallas</b>                  | Dallas i-button Reader   |  |
|                                       | <b>Fingerprint</b>             | Yes  |  |
|                                       | <b>Camera</b>                  | 5M USB Interface (Internal) (Factory Option)   |  |
|                                       | <b>Wall Mount Kit</b>          | VESA-Compatible, 75 x 75 (mm), 100 x 100 (mm)  |  |
|                                       | <b>Serial Conversion Cable</b> | RJ-45 to D-sub 9   |  |
| <b>Speaker</b>                        | 2 x 0.8W (Stereo)              |  |  |
| <b>WiFi</b>                           | Mini PCIe for Wireless LAN     |  |  |

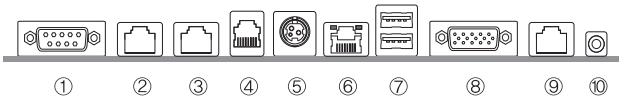
## Dimensions

Unit : mm



## I/O Interfaces

IT8786E



- |                         |               |
|-------------------------|---------------|
| ① COM 1                 | ⑥ LAN         |
| ② COM 2                 | ⑦ USB 3.0 x 2 |
| ③ COM 3                 | ⑧ VGA         |
| ④ COM 4                 | ⑨ MSR         |
| ⑤ Power Connector / 24V | ⑩ AUDIO OUT   |

## Ordering Information

| Part No.                  | Description   |
|---------------------------|---|
| APEXA PRIME (G)           | Intel Pentium 4415U, DDR4 4GB, SSD 64GB, 15" P-CAP Touch, Dark Grey, No O/S |
| APEXA PRIME (G)           | Intel Core i5-7200U, DDR4 4GB, SSD 64GB, 15" P-CAP Touch, Dark Grey, No O/S |
| IPO-MS 237 C AX_G         | MSR, Dark Grey  |
| IPO-MS 237E2_SCR_AX       | MSR + SCR, Dark Grey  |
| IPO-MS 237DIB_AX_G        | MSR + i Button, Dark Grey   |
| APEXA_9.7 (G)             | 9.7" 2nd Display, Dark Grey, No Touch                                       |
| APEXA_12.1 (D/G)          | 12.1" 2nd Display, Dark Grey, No Touch                                      |
| APEXA_15 (D/G)            | 15" 2nd Display, Dark Grey, No Touch  |
| APEXA_CDP (G)             | Customer Display(VFD), Dark Grey  |
| AXP-06 BRACKET_WALL MOUNT | Wall Mount  |

## Peripherals



**2nd Display**  
• 9.7", 12.1", 15" LCD



**Customer Display**  
• VFD (2 Line x 20 Characters)



**Card Reader**  
• MSR, SCR



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