

670 N. McCarthy Blvd.  
Milpitas, CA 95035  
www.elotouch.com

SPECIFICATIONS  
Touchcomputer  
PRODUCT SPECIFICATIONS, i-series 3.0  
with Google™ Play Services

DOCUMENT: PS600376  
REV: A  
REV DATE: Mar 21,2019  
Page 1 of 6

**TITLE: PRODUCT SPECIFICATIONS, i-series 3.0 with Google Play Services**

**NUMBER: PS600376**

**REVISION: B**

**OWNER: Engineering**

**Change History**

| Rev | Author  | Date       | Description  |
|-----|---------|------------|--|
| A   | Asela E | 03/21/2019 | Initial release per CO-19-0532                     |
| B   | Asela E | 04/15/2019 | Update per:<br>Add camera<br>Add value information |
| B2  | Josh    | 7/31/2019  | Update Warranty PNs                                |

670 N. McCarthy Blvd.  
 Milpitas, CA 95035  
 www.elotouch.com

SPECIFICATIONS  
 Touchcomputer  
 PRODUCT SPECIFICATIONS, i-series 3.0  
 with Google™ Play Services

DOCUMENT: PS600376  
 REV: A  
 REV DATE: Mar 21,2019  
 Page 2 of 6

| Model   | i-series 3.0   |                |                |
|---|--|----------------|----------------|
| Size<br>(In)<br>(mm)  | 10.1<br>256.54   | 15.6<br>396.24 | 21.5<br>546.10 |
| Processor   | Qualcomm Snapdragon APQ8053<br>2.0GHz Octa-Core Processor  |                |                |
| Memory (RAM)  | 3GB for Standard Versions DDR3L<br>2GB for Value Versions DDR3L  |                |                |
| Storage (emmc 5.1)<br><small><sup>2</sup>GB equals one billion bytes when referring to storage capacity.<br/>Accessible capacity may be less.</small> | 32GB SSD for Standard versions<br>16GB SSD for Value versions  |                |                |
| IO Ports  | <u>Standard</u><br>Micro HDMI output<br>Micro SD slot<br>Ethernet 1x LAN (Gigabit)<br>GPIO<br>1x USB 3.0 support (900mA)<br><br><u>Value</u><br>Ethernet 1x LAN (Gigabit)<br>1x USB 3.0 support (900mA)<br>Micro SD slot<br>GPIO |                |                |
| Number of Touches   | Up to 10   |                |                |
| Wireless  | 802.11b/g/n/ac + Bluetooth 4.1   |                |                |
| Peripherals Mounting<br>(all micro-USB port are 2.0 ports and support 500mA)  | 4x micro-USB side peripheral ports available for the standard version<br>Not available on value SKUs   |                |                |
| Webcam<br>Not available on the Value SKU  | Auto exposure<br>Auto Gain Control<br>Sharpness/Brightness/Contrast control<br>Max resolution: 1920 x 1080 30fps   |                |                |
| Speakers  | 2x2W Stereo internal speakers  |                |                |
| Audio   | Standard version has a built-in microphone<br>External microphone and headphone support are available via an optional the USB adaptor (Vantech NBA-120U).  |                |                |
| Operating System Options  | Android 8.1™ Oreo™ with EloView content deployment and management  |                |                |
| Aspect Ratio  | 16:10  | 16:9           | 16:9           |

670 N. McCarthy Blvd.  
Milpitas, CA 95035  
www.elotouch.com

SPECIFICATIONS  
Touchcomputer  
PRODUCT SPECIFICATIONS, i-series 3.0  
with Google™ Play Services

DOCUMENT: PS600376  
REV: A  
REV DATE: Mar 21,2019  
Page 3 of 6

|  |  |                             |                              |
|--|--|-----------------------------|------------------------------|
| <b>Panel Active Display Area (mm)</b>    | <b>217 x 136</b>   | <b>344 x 194</b>            | <b>476 x 268</b>             |
| <b>(in)</b>                              | <b>8.54 x 5.34</b>   | <b>13.55 x 7.62</b>         | <b>18.74 x 10.54</b>         |
| <b>Native (optimal) Resolution</b>       | <b>1280 x 800 @ 60Hz</b>   | <b>1920 x 1080 @ 60Hz</b>   |                              |
| <b>Brightness (typical)</b>              |  | <b>Std:</b>                 | <b>Val:</b>                  |
| <b>LCD Panel</b>                         | <b>400</b>   | <b>300</b>                  | <b>220</b>                   |
| <b>With TouchScreen</b>                  | <b>344</b>   | <b>258</b>                  | <b>189</b>                   |
| <b>Number of Colors</b>                  | <b>8-bit (16.7M)</b>   | <b>6-bit (262K)</b>         | <b>6-bit (Hi-FRC; 16.7M)</b> |
| <b>Response Time (Tr + Tf) (typical)</b> | <b>25 ms</b>   | <b>Std:</b>                 | <b>Val:</b>                  |
|  |  | <b>30 ms</b>                | <b>12 ms</b>                 |
| <b>Viewing Angle (typical)</b>           |  | <b>Std:</b>                 | <b>Val:</b>                  |
| <b>Horizontal</b>                        | <b>± 85°</b>   | <b>± 85°</b>                | <b>± 45°</b>                 |
| <b>Vertical</b>                          | <b>± 85°</b>   | <b>± 85°</b>                | <b>20° and 40°</b>           |
| <b>Contrast Ratio (typical)</b>          | <b>800</b>   | <b>Std:</b>                 | <b>Val:</b>                  |
|  |  | <b>800</b>                  | <b>500</b>                   |
| <b>Available Touch Technologies</b>      | <b>Touch Pro Film (Pro-F)</b>  |                             |                              |
| <b>Power Input</b>                       | <b>AC input voltage: 100-240 VAC</b><br><b>Input frequency: 50-60 Hz</b>                                     |                             |                              |
| <b>Power Consumption (watts)</b>         |  |                             |                              |
| <b>Typical</b>                           |  |                             |                              |
| <b>On</b>                                | <b>10.2</b>  | <b>13</b>                   | <b>16</b>                    |
| <b>Off</b>                               | <b>0.4</b>   | <b>0.4</b>                  | <b>0.5</b>                   |
| <b>Sleep (Idle Mode)</b>                 | <b>5.0</b>   | <b>4.5</b>                  | <b>4.0</b>                   |
| <b>Power Over Ethernet (PoE)</b>         | <b>Supported via Elo PoE Device PN: E615169</b><br><b>Reference the I-Series 3.0 user guide for details.</b> |                             |                              |
| <b>Maximum System Dimensions</b>         |  |                             |                              |
| <b>(W x H x D) mm</b>                    | <b>255 x 181 x 25</b>  | <b>387 x 248 x 28</b>       | <b>524 x 324 x 35</b>        |
| <b>(W x H x D) in</b>                    | <b>10.06 x 7.13 x 0.99</b>   | <b>15.23 x 9.77 x 1.11</b>  | <b>20.63 x 12.75 x 1.39</b>  |
| <b>Shipping Box Dimensions</b>           |  |                             |                              |
| <b>(W x H x D) mm</b>                    | <b>330 x 250 x 140</b>   | <b>150 x 300 x 470</b>      | <b>180 x 400 x 600</b>       |
| <b>(W x H x D) in</b>                    | <b>12.99 x 9.84 x 5.51</b>   | <b>5.90 x 11.81 x 18.50</b> | <b>7.08 x 15.75 x 23.62</b>  |
| <b>Weight</b>                            |  |                             |                              |
| <b>Kgs</b>                               | <b>0.88</b>  | <b>1.59</b>                 | <b>4.30</b>                  |
| <b>Lbs</b>                               | <b>1.94</b>  | <b>3.50</b>                 | <b>9.47</b>                  |

670 N. McCarthy Blvd.  
 Milpitas, CA 95035  
 www.elotouch.com

**SPECIFICATIONS**  
 Touchcomputer  
**PRODUCT SPECIFICATIONS, i-series 3.0**  
 with Google™ Play Services

DOCUMENT: PS600376  
 REV: A  
 REV DATE: Mar 21,2019  
 Page 4 of 6

|  |   |   |                    |
|--|---|---|--------------------|
| <b>Shipping Weight</b>   |   |   |                    |
| <b>Kgs</b>   | 2.07  | 3.27  | 7.30               |
| <b>Lbs</b>   | 4.56  | 7.20  | 16.10              |
| <b>Temperature</b>   | Operating: 0°C to 40°C (32°F to 104°F)<br>Storage: -20°C to 50°C (-4°F to 122°F)  |   |                    |
| <b>Humidity (non-condensing)</b>                                   | Operating: 20% to 80%<br>Storage: 5% to 95%   |   |                    |
| <b>Regulatory approvals and declarations (Google CTS versions)</b> | UL/cUL (US)<br>FCC (US)<br>IC (Canada)<br>CE (Europe)<br>CB (International)   |   |                    |
| <b>Mounting Options</b>  | VESA 75mm x 75mm  | VESA 75mm x 75mm<br>and<br>VESA 100mm x 100mm | VESA 100mm x 100mm |
| <b>Enclosure Color</b>   | Black or White colors available   |   |                    |
| <b>Real-Time Clock</b>   | Lithium coin cell battery for real time clock   |   |                    |
| <b>Sealing</b>   | Touchscreen sealed to LCD   |   |                    |
| <b>Power Cables (included in accessory box)</b>                    | North American<br>European  |   |                    |
| <b>What's in the box</b>   | i-series 3.0 device<br>North American Power Cable<br>European Power Cable<br>1x Power Brick (E153026)<br>Quick Install Guide<br>Screws for cable cover door (located in the power/Ethernet bay)   |   |                    |
| <b>Warranty</b>  | <b>2 years</b>  |   |                    |
| <b>Extended Warranty Options</b>                                   | 3 year warranty coverage - Elo P/N: E819394<br>4 year warranty coverage - Elo P/N: E819598<br>5 year warranty coverage - Elo P/N: E819795<br>2 year warranty coverage + AUR - Elo P/N: E819985<br>3 year warranty coverage + AUR - Elo P/N: E820186<br>4 year warranty coverage + AUR - Elo P/N: E820388<br>5 year warranty coverage + AUR - Elo P/N: E820582 |   |                    |

670 N. McCarthy Blvd.  
Milpitas, CA 95035  
www.elotouch.com

**SPECIFICATIONS**  
Touchcomputer  
**PRODUCT SPECIFICATIONS, i-series 3.0**  
with Google™ Play Services

DOCUMENT: PS600376  
REV: A  
REV DATE: Mar 21,2019  
Page 5 of 6

**Part Numbers:**

| Family                     | Elo P/N | Part Description       | Color | Memory | Storage | Availability |
|----------------------------|---------|------------------------|-------|--------|---------|--------------|
| With Google™ Play Services | E461790 | ESY10I1-2UWB-0-AO-GY-G | Black | 3GB    | 32GB    | WW           |
|                            | E461993 | ESY10I1-2UWC-0-AO-GY-G |       | 2GB    | 16GB    |              |
|                            | E462193 | ESY15I1-2UWB-0-AO-GY-G |       | 3GB    | 32GB    |              |
|                            | E462384 | ESY15I1-2UWC-0-AO-GY-G |       | 2GB    | 16GB    |              |
|                            | E462589 | ESY22I1-2UWB-0-AO-GY-G |       | 3GB    | 32GB    |              |

**Optional Accessories**

| Elo P/N | Part Description                         | Contents<br>(works with all sizes unless specified)                       |
|---------|--|---|
| E001002 | KIT,MSR,USB, ESY X Series/AAiO/02 Series | MSR kit   |
| E001004 | KIT,NFC,USB, ESY X Series/AAiO/02 Series | NFC kit   |
| E093433 | KIT,BCR,USB, AAiO/02 Series              | BCR kit (1D)  |
| E926356 | ELO-KIT, 2DBCR, USB, N3680               | BCR kit (2D)  |
| E211544 | KIT, GPIO Cables for AAiO                | Black GPIO Cable  |
| E048069 | ELO-KIT-FLOOR STAND 5 FOOT-R             | Pole Mount Kit  |
| E160104 | ELO-STAND-10.1IN-GY-R                    | 10.1 Stand Kit  |
| E044162 | ELO-STAND-15.6IN-GY-R                    | 15.6 Stand Kit  |
| E044356 | ELO-STAND-21.5IN-GY-R                    | 21.5 Stand Kit  |
| E043382 | ELO-SHELFMNT-R                           | Shelf Mount Kit   |
| E412240 | KIT,EXPANSION MODULE,ESY I-Series        | Expansion Module Kit for 15.6 and 21.5 only                               |
| E923781 | KIT, EXP MODULE LONG CABLE, I-SERIES     | Expansion Module Kit for 15.6 and 21.5 only                               |
| E924077 | ELO-STAND-FLIP DESIGN-10I/15I/1502/1002  | Flip Stand Kit for 10.1 and 15.6 only                                     |
| E200465 | KIT-EMV-INGENICO ICMP CRADLE-I/M         | EMV Cradle for 15.6 and 21.5<br>10.1 (landscape only)                     |
| E201088 | KIT-EMV-VERIFONE E355 CRADLE-I/M         | EMV Cradle for 15.6 and 21.5<br>10.1 (landscape only)                     |
| E200788 | KIT-EMV-INGENICO ICMP CRADLE-X/IDS02     | EMV Cradle for 10.1 (portrait only)                                       |
| E201363 | KIT-EMV-VERIFONE E355 CRADLE-X/IDS02     | EMV Cradle for 10.1 (portrait only)                                       |
| E353950 | ELO-mPOS PRINTER STAND-I-SERIES-BK       | Printer stand (black) for 10.1 and 15.6                                   |
| E353758 | ELO-mPOS PRINTER STAND-I-SERIES-WH       | Printer stand (white) for 10.1 and 15.6                                   |
| E047458 | ELO-KIT-BOLT DOWN 6 INCH-R               | 6in bolt down kit   |
| E047663 | ELO-KIT-BOLT DOWN 12 INCH-R              | 12in bolt down kit  |
| E047864 | ELO-KIT-BOLT DOWN 18 INCH-R              | 18in bolt down kit  |
| E802400 | KIT, WALLMOUNT, ESY I-Series 2.0         | Low profile wallmount kit (not compatible when the PoE is installed)      |
| E615169 | ELO-KIT-POE-ADAPTER                      | POE module kit  |
| E143088 | KIT, WALL MOUNT, ESYxx EX-Series         | Will work with PoE  |
| E514304 | KIT, REPLACEMENT CABLE, I-SERIES 2.0     | 1x NA power cable<br>1x EU power cable<br>1x power brick for i-series 2.0 |
| E001001 | KIT,FPR,USB,ESY X-Series                 | Fingerprint reader  |

670 N. McCarthy Blvd.  
Milpitas, CA 95035  
www.elotouch.com

SPECIFICATIONS  
Touchcomputer  
PRODUCT SPECIFICATIONS, i-series 3.0  
with Google™ Play Services

DOCUMENT: PS600376  
REV: A  
REV DATE: Mar 21,2019  
Page 6 of 6

## Documentation List

| Document Number | Description  |
|-----------------|--|
| MS601903        | DIMENSIONAL DRAWING, 10in AAiO_2                   |
| MS601904        | DIMENSIONAL DRAWING, 15in AAiO_2                   |
| MS601905        | DIMENSIONAL DRAWING, 22in AAiO_2                   |
| QIG600031       | QIG, i-series 2.0                                  |
| UM600273        | USER GUIDE, Android I-Series 3.0 with CTS          |
| UM600285        | USER GUIDE, Android I-Series 3.0 with CTS, FRENCH  |
| UM600286        | USER GUIDE, Android I-Series 3.0 with CTS, GERMAN  |
| UM600287        | USER GUIDE, Android I-Series 3.0 with CTS, ITALIAN |
| UM600288        | USER GUIDE, Android I-Series 3.0 with CTS, SPANISH |

**MTBF (Mean Time Between Failures)** An MTBF measurement is based on a statistical sample and is not intended to predict any one specific unit's reliability; thus MTBF is not, and should not be construed as, a warranty measurement.

Copyright © 2019 Elo Touch Solutions, Inc. All Rights Reserved.

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, including, but not limited to, electronic, magnetic, optical, chemical, manual, or otherwise without prior written permission of Elo Touch Solutions, Inc.

### Disclaimer

The information in this document is subject to change without notice. Elo Touch Solutions, Inc. and its affiliates (collectively "Elo") makes no representations or warranties with respect to the contents herein, and specifically disclaims any implied warranties of merchantability or fitness for a particular purpose. Elo reserves the right to revise this publication and to make changes from time to time in the content hereof without obligation of Elo to notify any person of such revisions or changes.

### Trademark Acknowledgments

AccuTouch, CarrollTouch, Elo (logo), Elo Touch Solutions, Elo TouchSystems, IntelliTouch, iTouch are trademarks of Elo and its Affiliates. Windows is a trademark of Microsoft Corporation.