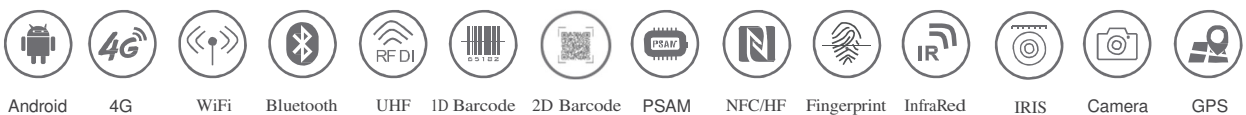




# A8P80

## Industrial Tablet



ASE A8P80 with abundant functions is an Android 7.1 rugged tablet. With its powerful Qualcomm CPU, 8 inch high- definition screen, 8000 mAh battery and comprehensive data capture options like UHF RFID, barcode scanning, HF RFID/ NFC, Iris and fingerprint recognition, etc., you can find this easy-to-deploy device a valuable helper to increase productivity in retail, logistics, warehousing, identity verification, meter reading, etc.



# Specification

| Physical Characteristics |                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------|
| Dimensions               | 250.8mm x 152mm x 15mm/ 9.87 x 5.98 x 0.59in                                                         |
| Weight                   | 700g/24.7oz                                                                                          |
| Display                  | 8" IPS LTPS 1920x1200                                                                                |
| Touch Panel              | Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported                             |
| Power                    | Main battery: Li-ion, rechargeable, 8000mAh                                                          |
| Expansion Slot           | 1 slot for SIM card, 1 slot for TF card, 2 optional slots for PSAM cards (ISO7816 T=0, T=1 protocol) |
| Interfaces               | USB 3.0 Type-C, OTG                                                                                  |
| Audio                    | Speaker, microphone                                                                                  |
| Keypad                   | 1 front key, 1 volume key, 1 power key                                                               |
| Sensors                  | Gravity sensor                                                                                       |

| Performance |                                   |
|-------------|-----------------------------------|
| CPU         | 2.0GHz MSM8953                    |
| RAM+ROM     | 2GB+16GB                          |
| Expansion   | Supports up to 32GB Micro SD card |

| User Environment |                                   |
|------------------|-----------------------------------|
| Operating System | Android 7.1                       |
| SDK              | Chainway Software Development Kit |
| Language         | Java                              |
| Tool             | Eclipse / Android Studio          |

| User Environment     |                                                                              |
|----------------------|------------------------------------------------------------------------------|
| Operating Temp.      | -4°F to 122°F / -20°C to 50°C                                                |
| Storage Temp.        | -40°F to 158°F / -40°C to 70°C                                               |
| Humidity             | 5%RH - 95%RH non condensing                                                  |
| Drop Specification   | Multiple 1.2m/3.9ft drops to concrete across the operating temperature range |
| Tumble Specification | 500 x 0.5m/1.64ft falls at room temperature                                  |
| Sealing              | IP65 per IEC sealing specifications                                          |
| ESD                  | ±8KV air discharge, ±4KV conductive discharge                                |

| Communication |                                                                                          |
|---------------|------------------------------------------------------------------------------------------|
| WLAN          | IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna<br>2G: 850/900/1800/1900MHz   |
| WWAN(Europe)  | 3G: 850/900/1900/2100MHz<br>4G: B1, B3, B5, B7, B8, B20, B40<br>2G: 850/900/1800/1900MHz |
| WWAN(America) | 3G: 850/900/1700/1900MHz<br>4G: B2, B4, B5, B26, B41<br>2G: 900/1800MHz                  |
| WWAN (China)  | 3G: 900/1900/2000/2100MHz<br>4G: TDD-LTE: B38, B39, B40, B41<br>FDD-LTE: B1, B3, B8      |
| WWAN (Others) | Depending on the country's ISP                                                           |
| Bluetooth     | Bluetooth 4.2/4.1+HS/4.0/3.0+HS/2.1+EDR                                                  |
| GNSS          | GPS/AGPS, GLONASS, BeiDou, internal antenna                                              |

| Camera                  |                           |
|-------------------------|---------------------------|
| Rear Camera             | 13MP Autofocus with flash |
| Front Camera (optioanl) | 8MP                       |

| Barcode Scanning (Optional) |                                                                                                                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scan Engine                 | Zebra SE4710 (standard), Zebra SE4850 (optional)                                                                                                                                                             |
| 1D Symbolologies            | UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.                                                                                       |
| 2D Symbolologies            | PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch, Postal (KIX), etc. |

| RFID (Optional) |                                         |
|-----------------|-----------------------------------------|
| UHF             |                                         |
| Frequency       | 865MHz-868MHz / 920-925MHz / 902-928MHz |
| Protocol        | EPC C1 GEN2 / ISO18000-6C               |
| Antenna         | circular polarization (4dBi)            |
| Power           | 1W (30dBm, +5dBm to +30dBm adjustable)  |
| R/W range       | > 10m (open outdoors); > 20m (indoors)  |
| Reading rate    | > 200 tags/s                            |

\* Ranges and rates depend on tags and environment

| HF/ NFC                         |          |
|---------------------------------|----------|
| Frequency                       | 13.56MHz |
| *HF RFID is alternative to NFC. |          |

| Fingerprint (Optional) |                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Option 1               |                                                                                                                                               |
| Sensor                 | TCSI/TCS2 Capacitive                                                                                                                          |
| Sensing Area (mm)      | 12.8x18; 10.4x14.4                                                                                                                            |
| Resolution (dpi)       | 508 dpi, 8-bit greylevel                                                                                                                      |
| Certifications         | FIPS 201, STQC                                                                                                                                |
| Format Extraction      | ISO 19794, WSQ, ANSI 378, JPEG2000                                                                                                            |
| Fake Finger Detection  | Support by SDK                                                                                                                                |
| Security               | AES, DES key encryption of the host communication channel                                                                                     |
| Option 2               |                                                                                                                                               |
| Sensor                 | Optical Morpho CBM-E3                                                                                                                         |
| Sensing Area (mm)      | 14x22                                                                                                                                         |
| Resolution (dpi)       | 500 dpi, 256 greylevel                                                                                                                        |
| Certifications         | FIPS PIV IQS / ISO 19794-4, MINEX & FIPS 201 complaint, STQC                                                                                  |
| Format Extraction      | ISO 19794-2/4, WSQ, ANSI 378, etc.                                                                                                            |
| Fake Finger Detection  | Latex, Gelatin, Plasticine, Kapton, Transparent Film, Silicone, Rubber, Play-doh, Graphite Or Paper                                           |
| Security               | FIPS 140-2 level 2, multiple security methods available, including image and templates encryption, template signature, secure tunneling, etc. |

| InfraRed (Optional) |                            |
|---------------------|----------------------------|
| Wavelength          | 940nm                      |
| Frequency           | 38kHz                      |
| Range               | > 4m                       |
| Protocol            | DLT_645-2007, DLT_645-1997 |

| Front Iris (Optional) |            |
|-----------------------|------------|
| Rate                  | <150ms     |
| Range                 | 20-40cm    |
| FAR                   | 1/10000000 |

| Coding    |               |                           |
|-----------|---------------|---------------------------|
| A8P80-xxx | Options       | Description               |
| no suffix | Standard      | NFC+4G+WIFI+BT+GPS+Camera |
| -4        | UHF Reader    | 30 dBm adjustable         |
| -6        | 1D/2D Scanner | Zebra SE4710              |
|           |               |                           |
|           |               |                           |



ASE srl Via Liguria,1 41012 Carpi Modena Tel.0596229900 Fax.059642851 Email [info@asedis.it](mailto:info@asedis.it) Web [www.asedis.it](http://www.asedis.it)