



Rugged Tablet T18

Versatile Overall Mobile Solution

Introduction

T18 is a versatile rugged powerful tablet designed for diversified applications in self-service, ID identification, information service, multimedia service, your customized interactive application and services in every environment of government, retail, logistics, inventory, transportation, medical care, hospitality and office building.

The strength of the T18 comes from customizable optional feature modules withing the IP67 reliable device. T18 runs on open platforms such as Android, with low power consumption and long battery duration, and it is easy to implement customer application. For information about our OEM models and services, please contact our reginal sales representative.

Features

- IP67 1.2m drop tested military grade tablet with 10" touch display
- Low power consumption and long battery life more than 14 hours
- Dual MIC with voice tracking, background noise & echo cancellation
- Built in a high security chipset, TPM2.0 with FIPS 140-2
- Ergonomical shoulder strap allow long hour hands-free operation
- Adjustable desktop stand on product itself
- Built in the RTC date-time persists with battery removed
- Handy F1 quick access button to activate specific APP
- 2D barcode decoder by rear camera
- Supports Nano SIM and embedded eSIM
- NFC module support
- 1-to-4 Battery Charger and Spare Battery (optional) IP67
- Carry case design including a handle
- Remote OTA system upgrade support, 5 year support for the OSS

Rugged Tablet T18

Specification

• System Architecture

Processor	Octa Core, 64-bit ARM, 2 GHz Cortex-A78 x2+2Hz Cortex-A55x6, GPU (G57)
Operating Platform	Android 16 OS, GMS certificate
Dimensions	No corner cushion 259.5 x 171.6 x 19mm with corner cushion 265 x 180.6 x 25 mm
Weight	1420g [3.12 lbs]
Memory/Storage	8GB /256GB
Security	Built-in a security chip, TPM2.0, compliant with FIPS 140-2 standard

• Media

Display	10.1" WUXGA 1920x1200 IPS,550 nits, 10-point multi-touch, aspect ratio 16:10, Glass Gorilla® Glass 5
Speakers	2 x 8 Ohm 1W
Dual Microphones	Voice tracking, noise & echo cancellation

• Network Interface

Wired LAN	100/1000 Mbps-(IEEE802.3x)
Wireless LAN	Wi-Fi 802.11 a/b/g/n/ac/ax
Wireless Bluetooth	Dual Frequency (EDR+BLE 5.3)
Wireless GPS	GPS/Glonass/Beidou/Galileo/QZSS/ SBAS /IRNSS. GNSS accuracy <5m

• 4G LTE Module Band Frequency

(4G)LTE FDD	B1/B3/B5/B7/B8/B20/B28
(4G)LTE TDD	B38/B40/B41
(3G)WCDMA	B1/B5/B8
(2G)GSM	B3/B8 (900&1800)

• Scan Module

	2D Barcode decoder by rear camera NFC module 2D fingerprint scanner (optional)
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• Serial number

	Unique serial number displayed outside with barcode and internal serial (check in the Settings) equals printed one
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• SDK & API

	Include SDK and API documentation and Library for camera, barcode, telemetry of battery lever, networking development
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• Durability

Storage Temperature	-20°C ~ 70°C
Operating Temperature	-20°C ~ 60°C
IP Protection	IP67 AITDG-260519014S-C07
Sanitizer Resistance	Isopropyl alcohol compatible
Drop Resistance	500 times x 1 m tumble test MIL-STD-810H method 516.6 procedure IV 48"/1.2m drop pass, 26 times including all corners, edges and faces. IEC60068-2-31 handling shocks with 50cm drop on six faces. Screen Protector Glass resists 64 gm steel ball drop from 120cm

• Power Supply

Adapter	57W (19V / 3A), BS 546 A Type M plug, length 2m
Battery Volume	Swappable battery, integrated 12000mAh battery pack
Battery Endurance	14 hours

• I/O Ports

	USB TYPE-C (1*USB3.0 OTG) USB TYPE-A (2*USB2.0)
	DC jack & Built-in 5 PIN (charge+keyboard)
	SIM: 1x Nano SIM Card Slot and 1x eSIM
	Micro SDXC Card Slot(support up to 128G)
USB cable	An USB cable with length 1.2m

• Camera

Front camera	8 MP
Rear camera	13 MP, with Auto Focus, Flash

• Optional Accessories

	1 to 4 Battery Charging cradle
	ICASA TA-2026/1358, NRCS IEC 60950-1, MIL-STD 810H, IP67 IEC 60529, Battery UN38.3, IEC62133, MSDS

• Warranty

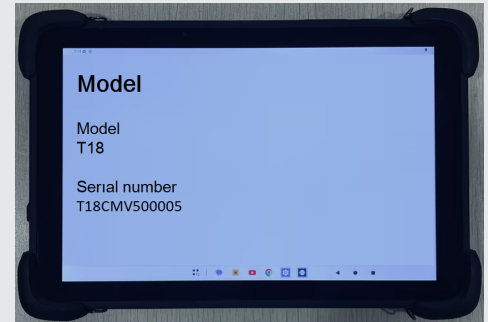
	3 year warranty for swap-out or advance replacement, on-site collection and return logistics included
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Rugged Tablet T18

Deliverables

- **Serial number**



Unique serial number displayed outside with barcode Label on both T18 device and its carry case, the internal serial number can be read at the Settings APP equals to the printed one.

- **Carry case**

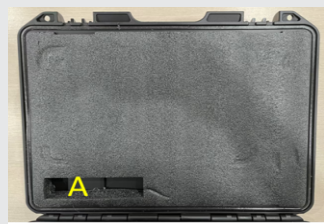
Liftable handle



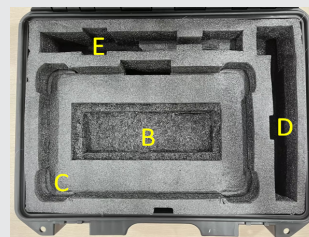
Stackable



Inner Layout



A: USB interface cable



B: User manual and spare battery
C: T18
D: Power cord and plug
E: power adaotpr



Inner with components filled up

- **Specification**

Model	3326 (Black Color), 5129(Yellow)
Material	PP (Polypropylene)
Dimensions	Internal: 330x260x95 mm, External: 359x305x99 mm
Thickness	3.00 mm
Net weight	Empty case 1.25 kg
Temperature	Operating -30°C ~ +60°C
IP Rating	IP67 AiTDG-251016112R

- **Inner Protective Cushioning Material**

Material	EPE (Expanded Polyethylene)
Density	30 ± 3 kg/m ³
Structure	Closed-cell
Absorption	Low Water Absorption
Fungus Resistance	Resistant to fungal growth under normal storage and operating conditions
Strength	Tensile 3.40KG/CM2, Tear 2.60KG/CM2
Temperature	-30 ~ +80°C

- **Cushioning permanently attached**

The protective cushion inside the case are whole glued to the case using environmentally friendly, odorless hot melt adhesive

- **SDK and API**

- 1-Camera photo or video Guide
- 2-Bluetooth BLE Guide
- 3-Networking Process Guide
- 4-GPS location Guide
- 5-Media Process Guide
- 6-WiFi Guide
- 7-USB host and accessory Guide
- 8-SKD : Software Barcode Scanner Zebra SDC and library
- 9-Telemetry Data of Battery Level Guide
- 10-Sign a System Keystore file Guide

T18 Barcode Decoder

Zebra SDC empowers T18 13M camera with quality 1D/2D code scanning

Introduction

With Zebra SDC (Software Decode For Cameras), it empowers T18 enterprise class tablet with enterprise-quality 1D/2D bar code scanning - no dedicated scan engine required. SDC brings the same industry-leading algorithms used in Zebra hardware decoders to any off-the-shelf megapixel camera, providing you with the first-time every-time easy bar code scanning in non-scan intensive applications. You will enjoy rapid decode speed, even on damaged, scratched or poorly printed bar codes - as well as bar codes printed on paper or displayed on a screen. Hyper-resolution technology provides a wider scanning range as well as easy capture of small bar codes. And with enterprise-class scanning accuracy, you no longer need to worry about erroneous decodes that can lead frustrated users to mistrust and abandon your application.

Features

- Support mainstream 1D, 2D codes, GS1 databar and postal codes
- Good performance on reading both display, laminated and printed label barcode
- Reduced power requirements
- One perpetual license per device

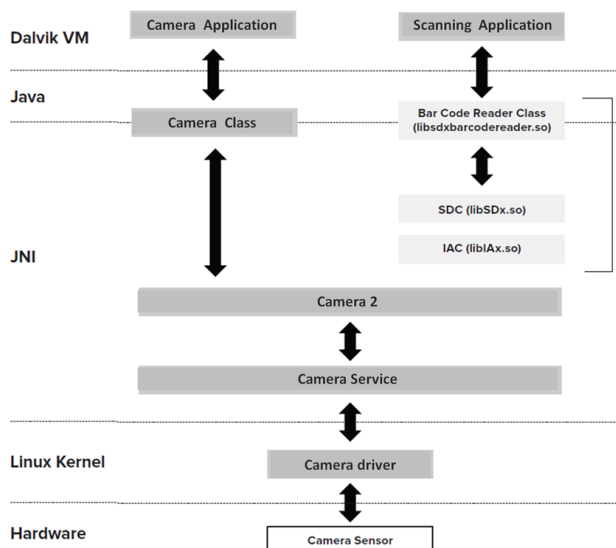
• Performance

Camera	4200(H)x3120(V), 13M pixels, auto-focus
Scan Rate	>= 300 scans / minute for 1D and 2D code
Motion tolerance	250 mm/s @13 mil EAN/UPC 13 Code
Working Distance	650 mm@20mil/0.5mm, PCS90% Code39
Print contrast ratio	≥25%
Resolution	1D Codes: 1.5 pixels required per narrow element 2D Codes: 2.70 pixels required per cell

Reading Angle

Rolling Angle	±360°
Pitch Angle	5°~60° (±5°)
Skew Tolerance	5°~55° (±5°)

• SDC in Action



• Readable Symbolologies

1D Symbolologies

UPC-A/E, EA N-8/13, EAN 8/13, UPCE 1, ISBN / Bookland, ISSN, Coupon Code, Bookland EA N, Code 39 (Standard, full ASCII), Code 128, GS1-128, ISBT 128, Trioptic Code 39, TLC-39, Code 93, 2 of 5 (Interleaved, Discrete, IATA, Chinese), GS1 DataBar, GS1, Composite Codes, Korean 3 of 5 (Postal)

2D Symbolologies

PDF417, MicroPDF417, Datamatrix (including inverse), QR Code (including inverse), MicroQR Code, Aztec (including inverse), Maxicode, Han Xin (Chinese Sensible Code)

Postal Codes

POSTNET, PLANET, UK Postal, Canada Post, Dutch Postal (KIX), Japan Post, Australian Post, Royal Mail, 4 State USPS, 4CB/OneCode/Intelligent Mail, UPU FICS Postal

• Working Range

Barcode	Depth of field
0.39mm/15mil EAN	30 ~ 400 mm
0.25mm/10mil Code39	40 ~ 310 mm
0.5mm/20mil Code39	30 ~ 650 mm
0.25mm/10mil Code128	35 ~ 310mm
20mil QR Code	15 ~ 350 mm
10mil PDF417	20 ~ 350 mm

The test is under ambient light 350 ~ 400 Lux.



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Dear Sir/Ms,

Zebra Technologies allows Champtek Group a perpetual licence for unlimited scanning for the barcode software decoder for camera (SDC) installed on the T18 enterprise tablets used by the Electoral Commission of South Africa (IEC), also with the software decoding function that can operate offline.

Signature

Name: Keynes Wu

Designation: Technical Engineer

Date: 17 Aug 2026



Company Stamp

Zebra Technologies Taiwan Co., Ltd