

Geshem | **Shenzhen Geshem Technology Co.,Ltd**

2020
PRODUCT CATALOG **1.0**





RUGGED TABLET

8–10" Rugged tablet

Support Intel Z8350/N2940/ I3/I5/I7/MT6771 CPU

IP65/67

Support 1–2 RS232/LAN/ WIFI/ BT4.0

4G/ GPS/BD/ RFID/1D/ 2D/ Fingerprint reader optional

Support Windows 7/10 / Linux / Android 8.1/9.0

TPC-GS0881



Features

- ◆ 8" Industrial display, high brightness screen optional
- ◆ Chipset: Intel® Cherry trail Z8350
- ◆ Dual channel WiFi (2.4GHZ+5GHZ)
- ◆ Onboard 4GB RAM
- ◆ Slim design, Rugged Mobile Terminal

Specifications

Display

Screen	8" IPS LCD
Resolution	800*1280
Brightness	400 cd/m ² (800 cd/m ² Optional)
Contrast	800:1
Touchscreen	Multi-Point Capacitive touch

Performance

Chipset	Intel® cherry trail Z8350 1.44GHz~1.92GHz
RAM	Onboard 4GB(2GB optional MOQ)
Hardware Monitor	Monitors voltage, CPU, TEMP
Watchdog Timer	0-255 sec by software
Storage	Onboard 32GB EMMC (64GB optional MOQ)

Power

Power Supply	5V DC(Standard 5V/3A adapter)
Battery	9500 mAh, 3.8V

O/S

O/S	Win10 Pro/Win10 IOT/Win10 Home
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Camera

Camera	Front 2.0 MP / Back 5.0 MP, Auto-Focus
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Flash light

Flash light	Support
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I/O Port

USB	1*USB 3.0 Type-A/ 1*USB 2.0 Type-C
WIFI	802.11(a/b/g/n/ac), support 2.4GHZ+5GHZ
Audio	Speaker/MIC/3.5mm earphone
Display	1*Mini HDMI
Bluetooth	4.1(BLE) class1 transmission distance:10m
GPS/BD	U-BLOX M8N
Card slot	1*SIM/1*TF
Pogo Pin	1*Pogo Pin (12 Pin)
DC_IN	1*PWR_IN
Extension	Optional: HF RFID/UHF RFID/GPS/NFC//1D/2D/CAN/ Fingerprint reader

Accessories

Pen/strap	Capacitive pen, Hand strap optional
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Environmental

Anti-vibration	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g, acceleration
Anti-shock	10g acceleration, 11ms duration
IP Level	IP67
Reliability	MTBF >5000h; MTTR <0.5h
Operating Temperature	-10°C ~ 50°C with air flow
Storage Temperature	-30°C ~ 70°C
Operating Humidity	95% @40°C, non-condensing

Mechanical

Dimensions	Standard:227mm(L)*142mm(W)*20mm(H) Optional:227mm(L)*142mm(W)*29.5mm(H)
Material	ABS+PC; TPU
Weight	0.7KG/1.2KG(NW/GW)
Color	Black

1
Industrial panel PC
- Capacitive touch / Wide screen

2
Industrial panel PC
- Resistive touch

3
Rugged tablet

4
Embedded Box PC/ Rackmount PC

TPC-GS0881T



Features

- ◆ 8" Industrial display, high brightness screen optional
- ◆ Chipset: MTK MT6771 Octa-core CPU, 2GHZ
- ◆ Dual channel WiFi (2.4GHZ+5GHZ)
- ◆ 1.2M Drop resistance
- ◆ Slim design, Rugged Mobile Terminal

Specifications

Display

Screen	8" IPS LCD
Resolution	800*1280
Brightness	400 cd/m ² (800 cd/m ² Optional)
Contrast	800:1
Touchscreen	Multi-Point Capacitive touch

Performance

Chipset	MTK MT6771 Octa-core CPU, 2GHZ
RAM+ROM EMCP	Onboard 2GB+32GB (2GB+16GB, 4GB+64GB, 8GB+128GB optional, MOQ)
Hardware Monitor	Monitors voltage, CPU, TEMP
Watchdog Timer	0-255 sec by software

Power

Power Supply	5V DC(Standard 5V/3A adapter)
Battery	9500 mAh, 3.8V

O/S

O/S	Android8.1/Android9.0
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Camera

Camera	Front 2MP / Back 8MP(13MP optional)
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Flash light

Flash light	Support
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I/O Port

USB	1*USB 3.0 Type-A/ 1*USB 2.0 Type-C
WIFI	802.11(a/b/g/n/ac), support 2.4GHZ+5GHZ
Audio	Speaker/MIC/3.5mm earphone
Display	1*Mini HDMI
Bluetooth	4.2(BLE) class1 transmission distance:10m
GPS/BD	MT6630
Card slot	1*SIM/1*TF
Pogo Pin	1*Pogo Pin (12 Pin)
DC_IN	1*PWR_IN
Extension	Optional: HF RFID/UHF RFID/NFC/GPS/1D/2D/CAN/ U-BLOX GPS/Fingerprint reader Optional

Accessories

Pen/strap	Capacitive pen, Hand strap optional
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Environmental

Anti-vibration	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g, acceleration
Anti-shock	10g acceleration, 11ms duration
IP Level	IP67
Reliability	MTBF ≥ 5000h; MTTR ≤ 0.5h
Operating Temperature	-10°C ~ 50°C with air flow
Storage Temperature	-30°C ~ 70°C
Operating Humidity	95% @40°C, non-condensing

Mechanical

Dimensions	Standard: 227mm(L)*142mm(W)*20mm(H) Optional: 227mm(L)*142mm(W)*29.5mm(H)
Material	ABS+PC; TPU
Weight	0.7KG/1.2KG(NW/GW)
Color	Black

1

Industrial panel PC
- Capacitive touch / Wide screen

2

Industrial panel PC
- Resistive touch

3

Rugged tablet

4

Embedded Box PC/
Rackmount PC

TPC-GS1051HT V6



Features

- ◆ 10.1" Multi-Point capacitive touch screen
- ◆ Chipset: Intel® Celeron® N2940 processor
- ◆ Support WiFi and BT 4.0
- ◆ Onboard 4GB DDR3 RAM
- ◆ 4G LTE/GPS/NFC/RFID/2D Scanner optional

Specifications

Display

Screen	10.1" TFT LCD
Resolution	1280*800
Brightness	350 cd/m ²
Contrast	800:1

Touchscreen	Multi-Point Capacitive touch
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Performance

Chipset	Intel® Bay Trail N2940 1.83GHz
RAM	Onboard 4GB
Hardware Monitor	Monitors voltage, CPU, TEMP
Watchdog Timer	0-255 sec by software
Storage	SSD:64GB, up to 512GB

Power

Power Supply	12V DC (12V Adapter)
Battery	Li-ion Battery:5300 mAh Up to 8 Hours Duration

O/S

O/S	Windows 7/10/ Linux
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Camera

Camera	Front 2.0 MP / Back 5.0 MP
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I/O Port

USB	1*USB 3.0 + 1*USB 2.0
Ethernet	1*GbE LAN RJ45 1000M
COM	1*DB9 (2*RS232 or 1*RS485/RS422 optional)
WIFI	Support
Bluetooth	4.0

Audio	Built-in Speaker/Mic
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Display	1*mini HDMI
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Card slot	1*TF card slot/1*SIM card slot
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Extension	Optional:3G /4G/GPS/RFID/2D Scanner
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Accessories

Pen	Capacitive pen(Hand strap, shoulder strap optional)
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Environmental

Anti-vibration	5-19Hz/1.0mm amplitude;19-200Hz/1.0g, acceleration
Anti-shock	10g acceleration, 11ms duration
IP Level	IP65
Reliability	MTBF ≥5000h; MTTR <0.5h
Operating Temperature	-20°C ~ 60°C with air flow
Storage Temperature	-30°C ~ 70°C
Operating Humidity	95% @40°C, non-condensing

Mechanical

Dimensions	275mm(L)*195mm(W)*28mm(H)
Material	Fanless High-strength and elegant Magnesium alloy casing
Weight	1.45kg/1.7kg(NET/Gross)
Color	Coffee Gold

1

Industrial panel PC
- Capacitive touch / Wide screen

2

Industrial panel PC
- Resistive touch

3

Rugged tablet

4

Embedded Box PC/
Rackmount PC

TPC-GS1073HT



Features

- ◆ 10.1" Multi-Point capacitive touch screen
- ◆ Chipset: Intel® Kabylake Core i3 processor (i5/i7 optional)
- ◆ Support WiFi and BT 4.0 (3G/4G module optional)
- ◆ Provide 2USB+2COM port
- ◆ GPS/RFID/NFC/2D/Fingerprint optional

Specifications

Display

Screen	10.1" TFT LCD
Resolution	1920*1080
Brightness	400 cd/m ²
Contrast	800:1
Touchscreen	Multi-Point Capacitive touch

Performance

Chipset	Intel® Kabylake Core i3 (i5/i7 optional)
RAM	Onboard 8GB
Hardware Monitor	Monitors voltage, CPU, TEMP
Watchdog Timer	0-255 sec by software
Storage	SSD: 64GB, up to 512GB

Power

Power Supply	19V DC (19V Adapter)
Battery	Li-ion Battery: 4000 mAh

O/S

O/S	Windows 10/ Linux
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Camera

Camera	Front 2.0 MP / Rear 5.0 MP
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I/O Port

USB	1*USB 3.0 + 1*USB 2.0
Ethernet	1*GbE LAN RJ45 1000M
COM	1*DB9 (for 1-2*RS232 or 1*RS485/RS422)
WIFI	Support
Bluetooth	4.0
Audio	Built-in Speaker/Mic
Display	1*Mini HDMI
Card slot	1*TF card slot/1*SIM card slot
Extension	3G/4G/GPS/RFID/2D/Fingerprint optional

Accessories

Stylus/Strap	Capacitive pen, Hand / strap optional
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Environmental

Anti-vibration	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g, acceleration
Anti-shock	10g acceleration, 11ms duration
IP Level	IP65
Reliability	MTBF ≥ 5000h; MTTR < 0.5h
Operating Temperature	-20°C ~ 60°C with air flow
Storage Temperature	-30°C ~ 70°C
Operating Humidity	95% @40°C, non-condensing

Mechanical

Dimensions	269mm(L)*189mm(W)*28mm(H)
Material	Fanless High-strength and elegant magnesium alloy panel
Weight	1.24kg/2.55kg(NET/Gross)
Color	Silver

1

Industrial panel PC
- Capacitive touch / Wide screen

2

Industrial panel PC
- Resistive touch

3

Rugged tablet

4

Embedded Box PC/
Rackmount PC

TPC-GS1051TA



Features

- ◆ 10" industrial screen, Multi-Point Capacitive touch Screen
- ◆ Chipset: Intel® Celeron J1900 processor
- ◆ Provide 4*USB+2*COM
- ◆ Fanless High-strength and elegant Al-alloy panel

Specifications

Display

Screen	10.1" TFT LCD
Resolution	1280*800
Brightness	350 cd/m2
Contrast	1000:1
Touchscreen	Multi-Point Capacitive touch Screen

Performance

Chipset	Intel® Celeron J1900
RAM	DDR3L 2GB, up to 8GB
Hardware Monitor	Monitors voltage, CPU, TEMP
Watchdog Timer	0-255 sec by software
Storage	SSD 64GB, up to 512GB

Power

Power Supply	9-24V DC (12V Adapter)
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O/S

O/S	Windows 7/10, Linux
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Camera

Camera	Front 2.0 MP
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I/O Port

USB	1*USB 3.0+ 3*USB 2.0
Ethernet	2*GbE LAN RJ45 1000M
COM	2*RS232(4*RS232 optional)
Audio	1*Audio-out
Display	1*HDMI(1*VGA optional, occupy one DB9)

Environmental

Anti-vibration	5-19Hz/1.0mm amplitude;19-200Hz/1.0g, acceleration
Anti-shock	10g acceleration, 11ms duration
Reliability	MTBF ≥5000h; MTTR ≤0.5h
Operating Temperature	-10℃ ~ 60℃ with air flow
Storage Temperature	-30℃ ~ 70℃
Operating Humidity	95% @40℃, non-condensing

Mechanical

Dimensions	275.2mm(L)*195.2mm(W)*36mm(H)
Material	Fanless High-strength and elegant Al-alloy panel
Weight	1.47kg/2.24kg(NET/Gross)
Color	Silver

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Rackmount PC

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