



# KEY TECHNOLOGY (CHINA) LIMITED

## 深圳市键特电子有限公司



Head Office: B702, Building 1, Tianan Cyber Park, Huang Ge North Road, Longcheng Subdistrict, Long Gang District, ShenZhen, Guang Dong, P.R. China

Factory ADD: 4 Floor, No. 6, High-Tech Road, Baolong Industrial Zone, Longgang District, ShenZhen, Guang Dong, P.R. China

Tel: +86 755 89239859, 89230460, 85232807

Fax: +86 755 89312576

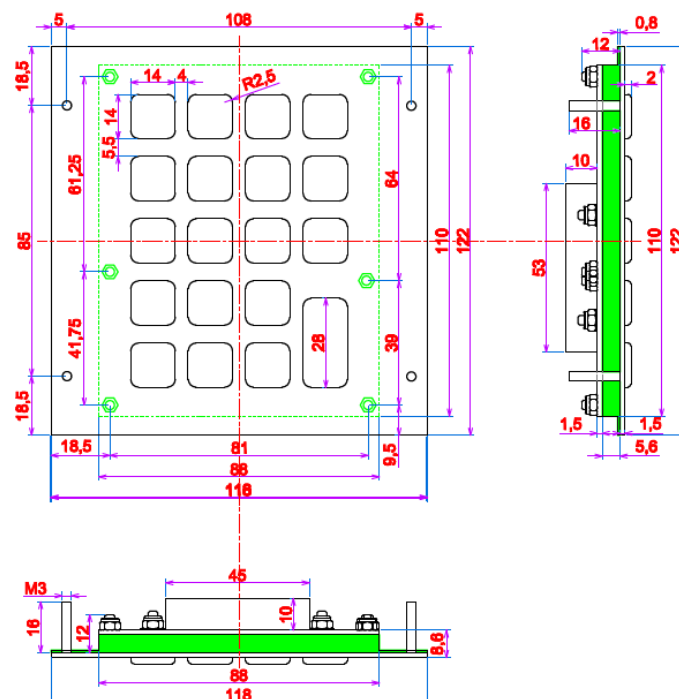
E-mail: info@key-tek.cn, sales01@key-tek.cn

Website: www.key-tek.cn, www.ikb-mkb.com

**MODEL NO.:** K-TEK-A118KP-DWP

**DESCRIPTION:** 19 keys compact format IP67 dynamic water proof and vandal proof stainless steel industrial keypad with fully sealed industrial PCB with industrial electronics controller shielded & protected by stainless steel housing, with industrial PCB with carbon-on-gold key switch technology with long stroke (2.0mm) with extremely good tactile feeling for fast and accurate data input without any noise, top stainless steel plate with welded studs and water-tight gasket for easy mounting and tightening to enclosure or panel. Industrial Backlight included. Which is good for outdoor application with direct rain and very harsh environments with humidity, much dynamic water, oil, dirt, salt mist etc, no rust risk and anti-salt spray corrosion.

**DIMENSIONS:** 118.0mm x 122.0mm (top panel)





# KEY TECHNOLOGY (CHINA) LIMITED

## 深圳市键特电子有限公司



Head Office: B702, Building 1, Tianan Cyber Park, Huang Ge North Road, Longcheng Subdistrict, Long Gang District, ShenZhen, Guang Dong, P.R. China  
Factory ADD: 4 Floor, No. 6, High-Tech Road, Baolong Industrial Zone, Longgang District, ShenZhen, Guang Dong, P.R. China  
Tel: +86 755 89239859, 89230460, 85232807  
Fax: +86 755 89312576  
E-mail: info@key-tek.cn, sales01@key-tek.cn  
Website: www.key-tek.cn, www.ikb-mkb.com

### APPLICATION

This Keypad is mainly targeted for use for unsupervised or semi-supervised positions of varied access applications, internet terminals and information kiosks at universities, shopping malls, hotels, banks, airports, railway-stations and other public areas, ticket vending machines, gas stations, cash machines (ATMs/CDM), Internet public phones etc.

### MAIN FEATURE

- Imposing stainless steel design, specially designed keypad meet the highest demands with regard to design, functionality, longevity and high protection level.
- Stainless steel fascia and key-tops guard willful destruction, vandal-proof, against corrosion, weather-proof especially under extreme climatic conditions, water proof/dirt proof, operation under hostile environments.
- Waterproof execution according to IP67 protection from top panel, top stainless steel plate with threaded bolts and sealing gasket for easy tightly mounting to enclosure or panel.
- An excellent tactile feel with full-long travel switches and allow users to achieve fast and accurate data input without any noise. With firm tactile perception for comfortable operation
- key-tops are laser-etched in legends and characters for easy readability, long life to prevent lettering rub-off.
- Metal keys are protected against twisting and levering which can not be dislodged from front, or defaced removing key covers.
- Ease of customizing with multiple languages, to accommodate foreign or custom variants.
- Complete electronic modules including controller in close consultation with our customers are available.

### ELECTRICAL DATA

- Supply Voltage: +5V DC +/-5%
- Current Rating: appr. 20mA
- EMC Standard: It is compliance with the council IEC 61000-4-2:2008; IEC 61000-4-3:2006+AI:2007+A2:2010; IEC 61000-4-4:2004
- EMI: EN 55022: 2010
- EMS: EN 55024:2010
- Lifespan > 5 years
- Switch Contact Material: Carbon-on-Gold key switch technology PCB.
- Interface: PS2, USB, RS232, RS485 available
- **OS: All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed)**

### COMMUNICATION PARAMETER

#### PS2/USB:

- Standard PS2/USB keyboard interface.
- 19 actuators: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, Cancel, Clear, Enter, or any other customied keys.

#### RS232:

- Standard RS232 serial interface.





# KEY TECHNOLOGY (CHINA) LIMITED

## 深圳市键特电子有限公司



Head Office: B702, Building 1, Tianan Cyber Park, Huang Ge North Road, Longcheng Subdistrict, Long Gang District, ShenZhen, Guang Dong, P.R. China

Factory ADD: 4 Floor, No. 6, High-Tech Road, Baolong Industrial Zone, Longgang District, ShenZhen, Guang Dong, P.R. China

Tel: +86 755 89239859, 89230460, 85232807

Fax: +86 755 89312576

E-mail: [info@key-tek.cn](mailto:info@key-tek.cn), [sales01@key-tek.cn](mailto:sales01@key-tek.cn)

Website: [www.key-tek.cn](http://www.key-tek.cn), [www.ikb-mkb.com](http://www.ikb-mkb.com)

- Communication velocity: 9600bps.
- Data format: N, 8, 1.
- 19 actuators: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, Cancel, Clear, Enter, or any other customized keys.

### MECHANICAL DATA

- Front plate: Super quality SUS304 brushed stainless steel
- Back plate: Super quality SUS304 stainless steel
- Actuator/Key: 16 keys, super quality SUS304 brushed stainless steel
- Key top style: protuberant rectangular keys, with laser engraved and etched legends and raised dots available.
- Key size: 14.0mm x 14.0mm for normal key, 14.0mm x 28.0mm for function keys
- Switching material: Carbon-on-Gold.
- Actuation Force: 0.60N +/-0.10N (pressure point), 1.20 N +/-0.1N for key 14.0mm x 28.0mm (pressure point)
- Key Travel: 2.0mm.
- Key life: 10 million of operation
- Dimensions: 118.0mm x 122.0mm.
- G.W. 0.80KGs.

### ENVIRONMENTAL ADAPTABILITY

- Operating temperature: -20°C to +60°C
- Storage temperature: -30°C to +70°C
- Operating RH: 30-90%
- Atmospheric pressure: 60-106Kpa.
- Saline mist: 96 hours, IEC 60512-6
- Damp heat test at + 40°C: 21 days, IEC 60512-6
- Dry heat test at + 85°C: 10 days, IEC 60512-6

### RELIABILITY

- **RoHS Compliant, CE and FCC, ESD**
- **Protection Level: IP67(front panel)**
- **Vandal resistant IK09**
- Key Lifespan >10 million actuations
- MTBF >50000H
- MTTR <30min

