Model NO.: BS-T V275TP

DESCRIPTION: 89 keys IP66 dynamic waterproof sealed & ruggedized keyboard with full keyboard functionalities integrated with sealed & ruggedized tough touchpad (touchpad with fingerprint reader included optional) for fast and accurate cursor position, 12 FN keys are on the top line for easy operation, professional scissors switch technology with short stroke of 1.20mm with long life-span with extremely good tactile feeling for fast and accurate data input without any double-type and noise, with FN + CLEAN combination key for easy cleaning via lock/disable the entire keyboard without needing to take the keyboard from PC, and avoid mis-operation during the cleaning process. Adjustable industrial backlight (Red/white etc.) included to fit dim conditions, super flat movable desk top with 3 versions of VESA mounting holes included, drain hole on the back to prevent damage of liquids & air inside, and built-in top panel mounting optional, military level optional.

DIMENSIONS : 297.5mm x 192.0mm x 22.5mm (L x W x H)

APPLICATIONS:

This keyboard provides full-size versatility in a rugged, compact design with the added convenience of an integrated touchpad. For working in low-light areas. This keyboard is ideal for use in environments ranging from manufacturing to material handling to medical settings. The tactile keys allows for easy data entry, while its robust polycarbonate case protects it against any hazardous environment.

MEDICAL: lab, hospital, clinic, dental, such as carts, diagnostic equipment, operation rooms, dialysis centers etc.;

MATERIAL HANDLING: mobile keyboard, data entry, assembly line etc.

MILITARY: Army, Navy, Air force

INDUSTRIAL: Vehicle, Transportation, Industrial automation, pharmaceutical, oil and gas, food and beverage, clean or dirty Manufacturing environments, warehouses

MAIN FEATURES:

Keyboard with NVIS-compliant adjustable backlighting included, while NVIS backlighting makes this keyboard ideal for aviation or vehicle applications where night vision goggles are necessary.

Keyboard provides full-size versatility in a rugged, compact design, rugged construction for reliable functionality

The keyboard is with sealed and ruggedized membrane switch with special water proof structure inside which is protected against dust, dirt, grease and corrosive liquid, water erc. which means it can withstand directed hose water, disinfectants, environmental contaminants and heavy industrial use.

FN + Clean key-Prevents data from being sent while the keyboard is wiped down, allowing user to clean at any interval with minimal downtime-User is notified of 'lock down mode' by brightly lit CLEAN KEY

Special durable-coating for excellent mechanical and chemical resistance With firm tactile key feel, key travel 1.20mm key travel.

Actuation Force: Square key: 50.0g +/-5.0g, Rectangular key: 100.0g +/-10.0g

Keypress force with same tolerance on single keyboard and other keyboards from same tools & different shipments

Integrated capacitive multi-touch touchpad for mouse and scroll functionality.

Ease of customizing with multiple languages, to accommodate foreign or custom variants.

USB connection (compatible with USB 1.1, 2.0, and 3.x); 5VDC +/-10%, max 250 mA, plug directly into computer like keyboard operation, inclusive of waterproof CAP optional for USB connector

Enclosure: industrial silicone, Robust ABS Polycarbonate Case including VESA 75 and AMPS mounting provisions through threaded inserts.

Low-profile keys for easy cleaning

Key life: 5 million

MECHANICAL DATA

Key: 91 keys with 2 mouse buttons included.

Key top style: Low profile flat rectangular keys with tactile feeling.

Touchpad cover: Composite, Integrated capacitive multi-touch touchpad for mouse and scroll functionality.

Touchpad Module (optional fingerprint reader included): Designed and copyright by Key Technology China Limited.

More than Lifetime 5 million strokes

Mutual Capacitance sensing

X/Y position sensing resolution: 40 counts/mm

X/Y position reporting: Relative

Output (self-detectable depending on cable): PS2 or USB

Tracking speed: Maximum 1,016 m/sec

Power supply voltage: 5 VDC ± 0.25V

Current rating (active mode): 17.0mA

Key Size: 15.8mm x 15.8mm for normal keys

G.W.: 0.50KGs

Dimensions: 295.0mm x 191.03mm x 22.5mm (L x W x H)

ELECTRICAL DATA

Supply Voltage: +5V DC +/-5%

Current Rating: 50mA (non-backlight) , MAX 250mA (with backlight on)

EMC Standard: EN 55032:2015, EN 55035:2017

Lifespan> 5 years

Switch Contact Material: Professional Scissors membrane switch technology with special inside waterproof structure.

Cable length: Standard 2.0m, customized length available.

Interface: USB interface (fully compatible with USB 1.1, 2.0, and 3.x); 5VDC +/-5%, max 250 mA.

      Cable to include waterproof cap for USB connector.

OS: All Windows, Linux, Unix, Mac OSX, Vxworks, Android, which is no need separate drivers, just plug and play, each

    keyboard to include the same USB identification string, so that swapping keyboards does not require drivers to reload.

    Firmware updating is available via using USB cable if technical issues arise with the product that can be fixed in software

ENVIRONMENTAL ADAPTABILITY

Operating temperature: -40℃to +80℃

Storage temperature: :-45℃to +85℃

Saline mist：96h, IEC60512-6

Damp heat test at +40℃: 21 days, IEC 60512-6

Dry heat test at +85℃: 10 days, IEC 60512-6

Operating RH: 100%

Atmospheric pressure: 60-106Kpa

Shock: 3 x 11 ms pulses of 50g on each of 3 axes

Vibration: MIL-STD 810G-POWER SPECTRAL DENSITY: 0.04g/Hz, FREQUENCY RANGE: 20Hz - 2kHz, DURATION OF TEST PER AXIS: 3 hours

Meet MIL-STD-461E with EMC (Electro Magnetic Compatibility) etc.--OPTIONAL

CE101　50Hz-10kHz Power lead Conducted Emission

CE102　10kHz-10MHz Power lead Conducted Emission

CS101　25Hz-50kHz Power lead Conducted Susceptibility

CS106　Spike Power lead Conducted Susceptibility

CS114　10kHz-400MHz Bulk Cable injection Conducted Susceptibility

CS115　30Hz/1 min Bulk Cable injection Conducted Susceptibility, Impulse Excitation

CS116　10kHz-100MHz Cable and Power Leads, Damped Sinusoid Transients, Conducted Susceptibility

RE101　25Hz-100kHz Magnetic Field Radiated Emissions

RE102　10kHz-18GHz Electric Field Radiated Emissions

RS101　25Hz-100kHz Magnetic Field Radiated Susceptibility

RS103　10kHz-40GHz Electric field Radiated Susceptibility

CS112　Electrostatic Discharge Susceptibility

RELIABILITY

RoHS , CE, FCC, ESD,

Protection Level: IP66

Key Lifespan >5 million actuations

MTBF >20000H

MTTR <30min

Additional keyboard versions OPTIONAL:

1, Bluetooth version instead of USB

2, customized keyboard module with customized touchpad module optional to be with fingerprint reader integrated with direct USB interface and related driver included.

3, Any customized keyboard layouts are available with MOQ issue, but US layout is NO MOQ issue based on stock.

4, Others to be discussed