

PART NO.: CK-KE155155



CK-KE155155 IP67 IK09 49 Keys 304 Brushed Stainless Steel Industrial Keypad

The CK-KE155155 is a heavy-duty panel-mount industrial keypad built for professional industrial control systems and high-standard public self-service equipment. Adopting high-quality 304 brushed stainless steel and certified with authoritative IP67 waterproof/dustproof and IK09 vandal-resistant ratings, this full-featured 49-key rugged keypad delivers powerful resistance against dust, dirt, splashing water, ice, industrial oil and various harsh contaminants.

Designed with a full internal rubber sealing structure and durable industrial layout, it provides ultra-stable, low-maintenance and long-lasting input performance for industrial control panels, automated production lines and high-end public terminal devices.

Constructed with a robust 1.5mm thick brushed stainless steel front panel and rear screw mounting structure, the keypad supports firm and reliable embedded installation. It effectively withstands long-term physical impact, vandal damage and continuous equipment vibration during high-frequency intensive operation in public service areas and heavy-duty manufacturing workshops. The one-piece full rubber internal sealing design achieves complete internal isolation, fully blocking water ingress and fine dust penetration. Featuring 100% full humidity resistance, the unit maintains consistent operational stability in prolonged humid, wet and dusty working environments without malfunction or premature aging.

This industrial keypad adopts premium carbon connecting key switches, featuring a standard $2.0N \pm 0.2N$ actuation force and 0.5mm low key travel, delivering excellent uniform tactile feedback and fatigue-free long-duration operation. All key legends are processed by professional laser etching technology, which effectively resists long-term friction and abrasion to prevent letter rub-off and fading, ensuring lifelong clear key visibility even after years of intensive industrial use. The sturdy industrial layout fully meets complex multi-key operation demands for professional control equipment.

The CK-KE155155 supports flexible personalized customization to adapt to global and special industrial application requirements. It allows custom multi-language layouts and exclusive special symbols, perfectly accommodating overseas equipment deployment and customized terminal needs. Equipped with multiple plug-and-play interface options, including Matrix, USB, PS/2 and RS232, the keypad requires no complex programming or debugging, enabling fast, convenient and efficient on-site installation and system integration.

Engineered for outstanding universal environmental adaptability, the CK-KE155155 operates stably within a wide temperature range of -20°C to $+60^{\circ}\text{C}$, with storage temperatures ranging from -30°C to $+70^{\circ}\text{C}$. It has passed strict IEC 60512-6 reliability tests, including 96-hour salt mist resistance, 21-day damp heat endurance at 40°C and 10-day dry heat resistance at 85°C . It maintains stable and reliable performance in oily, corrosive, humid, dusty and low-temperature complex industrial scenarios.



Built for long-term heavy-duty industrial operation, the carbon key switches support up to 5 million keystroke operations, with an average service life of over 6 years. It achieves excellent core reliability with MTBF over 50,000 hours and MTTR less than 30 minutes, greatly reducing equipment downtime and daily maintenance costs. Featuring a large square panel dimension of 155.0mm × 155.0mm and a gross weight of approximately 1.2KG, it is specially designed for professional industrial control scenarios. Operating at 5V DC low voltage with an ultra-low 30mA rated current and compliant with EN55022(B) EMC emission standards, it ensures stable electromagnetic compatibility and safe long-term continuous equipment operation.

Fully compatible with all mainstream operating systems including Windows full versions, Linux, Unix, Mac OSX, Vxworks and Android, the keypad features extensive system adaptability. It holds CE, FCC, RoHS, IP67 and IK09 international authoritative certifications, complying with global safety and environmental standards, and is backed by a 1-year limited warranty for stable long-term commercial and industrial deployment.

Widely applicable across multiple industries, the CK-KE155155 is commonly used in industrial control panels, public kiosks, ticket vending machines, gas station equipment, ATM/CDM financial terminals, charging piles, internet public phones, paper manufacturing workshops, industrial console desks, clean rooms, medical operating rooms, industrial automation systems, oil and gas facilities, dirty manufacturing workshops, warehouses and public safety equipment. It is an ideal full-featured 49-key rugged keypad for complex industrial and harsh public working environments.

Core Product Advantages

- Premium 304 Brushed Stainless Steel: High-strength metal structure delivers excellent anti-vandal, anti-rust and anti-corrosion performance for long-term heavy-duty industrial and public use
- IP67 & IK09 Dual Industrial Protection: Full one-piece rubber sealed structure provides superior waterproof, dustproof, humidity-proof and anti-impact comprehensive protection
- Full-Featured 49-Key Layout: Professional 49-key large layout meets complex multi-function operation requirements for industrial control and high-end terminals
- High-Quality Carbon Key Switches: Premium carbon connecting keys ensure stable 2.0N actuation force and excellent tactile feedback for precise operation
- 0.5mm Ergonomic Key Travel: Optimized key stroke design balances sensitivity and stability for fatigue-free long-hour intensive operation
- Permanent Laser-Etched Markings: Advanced laser etching technology resists daily abrasion, ensuring fade-free and long-term clear key display
- Flexible Customization Support: Supports multi-language layouts and custom special symbols to fit global deployment and personalized industrial equipment needs
- Plug-and-Play Interface: Optional Matrix/USB/PS2/RS232 interfaces ensure strong compatibility with various industrial and public terminal devices



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-Professional Harsh Environment Resistance: Verified by salt mist, damp heat and dry heat tests, maintaining stable performance in complex harsh working conditions

-High Reliability & Low Operation Cost: 5-million keystroke lifespan, high MTBF and low power consumption effectively reduce long-term maintenance and replacement costs

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