Keyence KV-7300

Model: KV-7300
Brand: Keyence
Series: KV-7000

CPU unit for the KV-7000 series building-block PLC.

—— Hardware ——
CPU memory capacity: 21 MB
Program capacity: Approx. 160 k steps
Instruction execution speed: Basic instructions min. 0.96 ns; Applied instructions min. 5.75 ns; Double-precision floating-point min. 58 ns
Program language: Expanded ladder, KV Script, mnemonic
Max. number of installable units: 16 (KV-7000 expansion only); 48 with KV-EB1 extension
Max. I/O points: 3,072 points for expansion

—— I/O Capacity ——
Via backplane I/O modules

—— Communication ——
Built-in ports: Ethernet (RJ-45, EtherNet/IP)
Protocols: EtherNet/IP, KV STUDIO
Communication expansion: Via backplane communication modules (incl. KV-XL202 RS-232C serial unit)

—— Electrical ——
Supply voltage: 24 VDC (-15%/+20%) with KV-7000 expansion only; 24 VDC (+/-10%) with KV-5000/3000 expansion
Internal current consumption: 200 mA or less

—— Environmental ——
Operating temperature: 0 to +55 ° C (no freezing) with KV-7000 expansion only
Storage temperature: -25 to +75 ° C with KV-7000 expansion only
Relative humidity: 5 to 95% RH (no condensation)
Protection rating: Not available

—— Physical ——
Dimensions (H×W×D): Not available
Weight: Approx. 0.27 kg (CPU); bus-connected unit approx. 0.13 kg; KV-B1 battery approx. 0.01 kg

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

—— Lifecycle ——

Active; official Keyence production status confirmed via product/spec page (Last verified: 2026-09)

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