

KEYENCE KV-MX1

High-Speed Counter Module

A dedicated PLC counter module with four counters and two comparator-match results for each counter.

Why this model matters

- Four independent counter paths for pulse-based machine measurements.
- Two comparator-match results assigned to each counter.
- Eight active comparator-result bits across counters 1 through 4.
- Documented DM and buffer-memory access for PLC program decisions.

ENGINEERING NOTE

Preserve module position, counter modes, reset and gate signals, comparator values and all program addresses. Prove one counter and both comparator points at a controlled pulse rate before enabling machine outputs.

Technical summary

Item	Verified value
Counter channels	4
Comparator results	2 per counter
Comparator result DM	Module start DM +260
Buffer-memory address	#1136
Active result bits	0 to 7
Reserved bits	8 to 15

Application value

- Cut-to-length control
- Indexing machinery
- Encoder-based position counting
- Fast production counting

Technical source: KEYENCE official KV-MX1 product and technical-support information.



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