

WHEN MORE FUNCTIONS ADD COST, NOT VALUE

Five places where unused functions can add cost and engineering work — now and over the product life.

Some extra capability is essential. Some of it makes the product better. The rest may still require integration, validation, documentation and support without creating enough value. These five checks help you see which is which.

CREATES PRODUCT VALUE	MEETS A REAL REQUIREMENT	ADDS COST OR WORK
Improves performance, customer experience or a product feature that really matters.	Needed for operation, safety, reliability or compliance.	Adds component cost or engineering effort without improving the application enough.

1 Functions

WHAT TO REVIEW Functions included in the electronics that the product rarely or never uses.

ASK Does this function improve the product or customer experience?

WHY IT MATTERS Unused functions can still influence hardware cost, software complexity and support.

2 Interfaces & communications

WHAT TO REVIEW Inputs, outputs, communication options or interfaces that are included but not used in the final application

ASK Is every interface there for a real need?

WHY IT MATTERS Each interface can add integration, configuration, testing and documentation work.

3 Performance & capacity

WHAT TO REVIEW Power, memory, processing capacity or other technical capability above what the product actually needs.

ASK Is the extra capacity useful today or planned for a real future need?

WHY IT MATTERS Extra capacity can add component cost if there is no current or planned use for it.

4 Variants & configuration

WHAT TO REVIEW

Different versions, options or configurations created around the electronics.

ASK

Do these variants create real product value or just more complexity?

WHY IT MATTERS

More variants can increase purchasing, testing, documentation and lifecycle work.

5 Support over product life

WHAT TO REVIEW

Functions or options that continue to require updates, validation, documentation or support after launch.

ASK

Does the long-term effort match the value this function creates?

WHY IT MATTERS

A function that looks inexpensive at launch may still consume engineering and purchasing effort for years.

Value Check

For each function, interface or option, ask:

- Does it improve product performance?
- Does it improve the customer experience?
- Does it support a real requirement?
- Does it help differentiate the product?
- Does the value justify the cost and engineering work?

**THE GOAL IS NOT LESS CAPABILITY.
IT IS THE RIGHT CAPABILITY.**

Keep what creates value. Protect what is essential.

Question complexity that brings little return.

We design and make custom electronics BUILT AROUND YOUR PRODUCT

We start from your product, not from a fixed set of functions. The electronics are designed around what the application needs, what creates value and what is required for safe and reliable operation.

Talk to a KELD engineer →

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