

When standard electronics start to limit your product

5 signs you are changing your product to make the electronics fit.

Standard electronics can be the right choice. The problem starts when your product has to keep changing to make them fit.



At the start: the standard solution fits.

Later: the product starts changing around the limits of the electronics.

The five signs, one by one

1 · NEW FUNCTION

A new customer function does not fit

The standard electronics cannot support the new function without changes around the product.

Is this a one-time request, or is it becoming part of the product?

2 · PRODUCT FIT

The product needs to change to fit the electronics

The standard solution works, but the product needs changes in other areas to use it.

Would the product need the same changes with a better-fitting electronics solution?

3 · NEW VERSIONS

Every new version needs another workaround

Version 1 needs one change. Version 2 needs another. The product keeps changing around the same electronics.

Are you improving the product, or adapting it to the electronics?

4 · REPEATED CHANGES

The same product change repeats in every unit

A change that looks small during development may become part of every unit in production.

Is this extra work now part of production?

5 · FUTURE PRODUCT CHANGES

The standard electronics limit your next product change

The next function or product version depends on what the standard platform can support. Your product may have to wait for changes you do not control.

Can the electronics support the changes your market needs?

Choose the right electronics path

The question is not “standard or custom?” The question is which option creates less extra work over the life of the product.

● STANDARD

Keep standard electronics when the main requirements fit, there are no repeated workarounds and the electronics do not block future product changes.

Good choice when the product works with the solution as it is.

● ADAPTED PLATFORM

Consider an adapted platform when most of the solution already fits, but a limited change is needed in functions, inputs and outputs, software, communication or size.

Good choice when most of the solution works and only one part needs to change.

● CUSTOM

Consider custom electronics when the same needs repeat across many units or product versions, and a specific solution can reduce this extra work.

Good choice when the same workaround repeats in the product, in production or in future changes.

What the comparison is really about

● THE PRODUCT

How many changes the product needs around the electronics before it can do its job.

● PRODUCTION

Whether the extra work happens once in development or in every unit produced.

● FUTURE CHANGES

Whether the electronics can support the changes the product will need later.

If you recognise one of these signs in your product

You may not need a fully custom solution. KELD can help you review what already works, where the extra work appears and which option makes more sense: standard, adapted or custom electronics.

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