

CHOOSING THE RIGHT KEY OR TOKEN (Cont.)

Considerations

During the initial selection, the designer should also consider what the system might need in the future. The following factors should influence initial device selection:



- Serial EEPROMS offer the simplest interface and integration
- SPI Keys offer the widest memory capacities and fastest clock rates of the standard serial interfaces
- The Extended Token offers the most versatility to add custom electronics

The designer should also consider the possible growth path requirements of their project:

- Will larger memory capacities become a requirement?
- Will a faster transfer rate become a requirement?
- Are integrated memory management features important?
- Could adding additional features (i.e.: firmware update capability) benefit the design?

Many of our customers who use lower capacity Keys/Tokens for access control or data transfers add a boot loader that utilises their same receptacle with higher capacity Keys/Tokens to provide firmware update capability. This allows a significant increase in product capability without increasing the final products BOM cost.

NOTE: See our Product Availability Chart (www.nexusgb.co.uk) for a complete listing of our standard catalogue memories and form factors.

Development

- Nexus offers support peripherals and development tools for all of our catalogue products. These are designed to reduce time-to-market, development costs, and technical risks for our customers.
- Nexus uses industry-standard interfaces. The designer's familiarity with the chosen memory technology can also help reduce development investments.

IMPORTANT: We strongly advise our customers to follow our interface specifications as that is the best way to help protect the longevity of your design.

NOTE: See our Serial Development Kit Info Sheet (www.nexusgb.co.uk) for further details on our Development Tools.



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