## 600 Series Quick-Start

600 series product has the complete set of documents, which are listed at below table, to help user quickly familiarize it.

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| **ID** | **Doc Name** | **Descriptions** |
| 0 | *Chinese Version ISA Spec:*  <Nuclei\_N级别指令架构手册.pdf>  *English Version ISA Spec: <*Nuclei\_RISCV\_ISA\_Spec.pdf>  <Nuclei\_TEE\_Architecture.pdf>  <Nuclei\_NICE\_Extension.pdf>  <Nuclei\_DSP\_QuickStart.pdf>  <Nuclei\_CCM\_Mechanism.pdf>  <RISC-V\_P\_Extension\_Proposal\_v0.5.4-draft-20200302.pdf> | These documents systematically introduce the Nuclei RISC-V architecture specification, including:   * Instruction set, * Privileged architecture, * CSR registers, * Low-power architecture scheme, * And the interrupts, etc. |
| 1 | <Nuclei\_Processor\_Integration\_Guide.pdf> | This doc introduce:   * How to configure the IP options and generate the Verilog RTL codes and view it. * How to run the basic CCT (Customer Confident Tests) with the attached basic testbench environment. * How to integrate the CPU core into the customer SoC. * How to generate FPGA bitstream for SoC prototype (including RISC-V Core) . * How to run the synthesis. * Other overall introductions, etc. |
| 2 | <Nuclei\_600\_Series\_Databook.pdf> | This doc as Databook introduces the IP’s:   * Features, * Components, * Interfaces, * The configuration options, * Other overall introductions, etc. |
| 3 | <Nuclei\_Eval\_SoC\_Intro.pdf> | This document introduce the prototype SoC for evaluation purpose, this prototype SoC included bus, common peripherals, etc. |
| 4 | Nuclei\_SDK Website  (https://doc.nucleisys.com/nuclei\_sdk/) | The quick-start manual for user to start the embedded software development with Nuclei SDK. |
| 5 | <Nuclei\_SES\_IDE\_QuickStart.pdf> | The quick-start manual for user to start the embedded software development with Windows IDE (Integrated Development Environment): Segger Embedded Studio. |
| 6 | RISC-V MCU Website (Chinese Version Only)  (https://www.rvmcu.com) | The webpage as the embedded RISC-V MCU ecosystem website. |
| 7 | Nuclei Board Labs Website (English Version Only)  (https://doc.nucleisys.com/nuclei\_board\_labs/) | The webpage as the embedded software labs ecosystem website, for Nuclei MCU development board. |