	Cyclone LC & Cyclo (Features subject to	
	SCIENCE REFERENCE AND	Cyclone FX Programmer
Which of these is right for your project? See the table below for a detailed feature comparison between Cyclone and Cyclone FX.		
	Cyclone	Cyclone FX
Extended Security Features	 Optional License for ProCryption Security Anti-tamper Technology Internal memory protection & encryption 	 ProCryption Security includes: RSA/AES image encryption Limit date range of image programming Limit # of programming operations Anti-tamper Technology Internal memory protection & encryption
On-Board Storage	 16MB, up to 8 programming images 	 1GB, 200+ programming images
High-Speed Target Communication s	• Fast	 Extremely fast: Up to 75Mb/s
Expandable Storage - SDHC Memory Card Support	 Optional License for SDHC card support. 	 Includes SDHC card support for storing programming images and data on external SDHC cards
Advanced Hardware Features	•	 Select and Launch programming via a barcode scanner
Multiple SAP Images	Onboard Cyclone memory	 No practical limit to number of images stored in 1GB of onboard

	stores up to 8 images	Cyclone memory
Cyclone Control & Automation	 Includes Standard Automation Features Advanced Automation Features Optional 	 Includes Standard & Advanced Automation Features
Cyclone Models	 CYCLONE-LC-ARM Supports a variety of ARM Cortex MCU's CYCLONE-LC-UNIV Supports a variety of ARM Cortex MCU's Supports NXP's Kinet is, LPC, i.MX, Vybrid, S32, Qorivva (MPC5xxX), MPC5xx/8xx, DSC, S12Z, RS08, S08, HC08, HC(S)12(X), and Coldfire MCUs, Supports STMicroele ctronics' SPC5 and STM8 (with adapter) 	 CYCLONE-FX-ARM Supports a variety of ARM Cortex MCU's CYCLONE-FX-UNIV Supports a variety of ARM Cortex MCU's Supports NXP's Kinetis, LPC, i.MX, Vybrid, S32, Qorivva (MPC5xxx), MPC5xx/8xx, DSC, S12Z, RS08, S08, HC08, HC(S)12(X), and Coldfire MCUs, Supports STMicroelectroni cs' SPC5 and STM8 (with adapter) Supports Renesas' H8 and H8S/Tiny, MC16C and M16C80, M32C, R8C, RH850, RL78, RX600 (with Renesas adapter)