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	Titolo	Embedded multitasking [[electronic resource] /] / Keith Curtis
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	ISBN	1-281-01468-0
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	Edizione	[1st edition]
	Descrizione fisica	1 online resource (417 p.)
	Collana	Embedded technology series
	Disciplina	004/.35
	Soggetti	Embedded computer systems
		Computer firmware - Design
		Embedded computer systems - Programming
		Electronic books.
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Includes index.
	Nota di contenuto	What's in this book, and why should I read it? -- Basic embedded programming concepts -- System-level design -- Component-level design -- Implementation and testing -- Does it do the job?
	Sommario/riassunto	In an embedded system, firmware is the software that directly interfaces with the microcontroller, controlling the system's function. The major forces driving the embedded firmware development process today are reduced development times, increased complexity, and the need to handle multiple tasks simultaneously. These forces translate into strenuous design requirements for embedded engineers and programmers. Many low-level embedded microcontroller designs have insufficient memory and/or architectural limitations that make the use of a real-time operating system impractical. The techniques pres