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Titolo	Beginning FPGA: Programming Metal : Your brain on hardware // by Aiken Pang, Peter Membrey
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Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XV, 387 p. 339 illus., 312 illus. in color.)
Collana	Technology in Action
Disciplina	004.6
Soggetti	Computer networks Computer science Computer Communication Networks Computer Science, general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Sommario/riassunto	This book is for those who have tinkered a bit with Arduino or Raspberry Pi, and want to get more hands-on with hardware, or for those new to electronics and you just want to dive in. You don't need an electronics engineering degree or even any programming experience to get the most out of Beginning FPGA: Programming Metal. Just bring your curiosity and your Field-Programmable Gate Array. In this book, you'll be using the Arrow's BeMicro MAX 10 (Altera/Intel FPGA), a very affordable and breadboard-friendly FPGA development board to create a light sensor, an temperature sensor, a motion sensor, and just for fun, the KITT car display from Knight Rider. Along the way, you'll learn the theory behind FPGAs and electronics, including the math and logic you need to understand what's happening - all explained in a fun, friendly, and accessible way. It also doesn't hurt that you'll be learning VHDL, a hardware description language that is also an extremely marketable skill.