

1. Record Nr.	UNINA9910346858203321
Autore	Ngo Trung Dung
Titolo	Open-Source Electronics Platforms : : Open-Source Electronics Platforms // Trung Dung Ngo
Pubbl/distr/stampa	Basel, Switzerland : , : MDPI, , 2019
ISBN	9783038979739 3038979732
Descrizione fisica	1 electronic resource (262 p.)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Open-source electronics are becoming very popular, and are integrated with our daily educational and developmental activities. At present, the use open-source electronics for teaching science, technology, engineering, and mathematics (STEM) has become a global trend. Off-the-shelf embedded electronics such as Arduino- and Raspberry-compatible modules have been widely used for various applications, from do-it-yourself (DIY) to industrial projects. In addition to the growth of open-source software platforms, open-source electronics play an important role in narrowing the gap between prototyping and product development. Indeed, the technological and social impacts of open-source electronics in teaching, research, and innovation have been widely recognized.</p>