

[Literature](#) [Licensing](#)
[Buy On-Line](#) [Download](#)

[Home](#) | [Products](#) | [Support](#) | [System Solutions](#) | [Technology Center](#) | [Education & Events](#) | [Corporate](#) | [Buy On-Line](#)
[Devices](#) | [Design Software](#) | [Intellectual Property](#) | [Design Services](#) | [Dev. Kits/Cables](#) | [Literature](#)

Development Kits

Altera Development Kits
 Partner Development Kits
 Online Development Kits
 All Daughter Cards

Programming Hardware

[Download Cables](#)
 Programming Adapters

[Home](#) > [Products](#) > [Dev. Kits/Cables](#) > [Download Cables](#)




[Print This Page](#)

[E-mail This Page](#)

Download Cables

Altera® download cables are available for in-circuit reconfiguration of [Stratix®](#), [Cyclone™](#), [APEX™ II](#), [Mercury™](#), [Excalibur™](#), [APEX 20K](#), [ACEX® 1K](#), [FLEX 10K®](#), [FLEX® 8000](#), and [FLEX 6000](#) devices, and for in-system programming of [MAX® II](#), [MAX 3000A](#), [MAX 7000](#), and [MAX 9000](#) devices. The cables download data from the [Quartus® II software](#) (Table 1). The ByteBlaster™ II parallel port download cable and the MasterBlaster™ communications cable can also download data from the [MAX+PLUS® II software](#).

Table 1. Altera Download Cables

Cable	Ordering Code	Hardware Interface	Operating Voltage	Additional Features
ByteBlaster II Parallel Port Download Cable	PL-BYTEBLASTER2 	PC parallel port	1.8 V 2.5 V 3.3 V 5.0 V	<ul style="list-style-type: none"> Supports 1.8-V, 2.5-V, 3.3-V, and 5.0-V systems Supports SignalTap® II logic analysis capability Supports active serial configuration mode for EPCS serial configuration devices
USB Blaster™ USB Port Download Cable	PL-USB-BLASTER 	USB (1) port	1.8 V 2.5 V 3.3 V 5.0 V	<ul style="list-style-type: none"> Supports 1.8-V, 2.5-V, 3.3-V, and 5.0-V systems Supports SignalTap II logic analysis capability Supports active serial configuration mode for EPCS serial configuration devices Supports communication and debugging of the Nios® II embedded processor family
MasterBlaster Communications Cable	PL-MASTERBLASTER 	USB (1) / RS-232 port	3.3 V 5.0 V	<ul style="list-style-type: none"> Supports 1.8-V, 2.5-V, 3.3-V, and 5.0-V systems Supports SignalTap II logic analysis capability

Note:

1. USB = universal serial bus

ByteBlaster II, USB Blaster & MasterBlaster Cable Compatibility

Table 2 lists programming and configuration compatibility information for the ByteBlaster II parallel port, USB Blaster USB port, and the MasterBlaster serial or USB port download cable.

Device	ByteBlaster II	USB Blaster	MasterBlaster
Stratix	✓	✓	✓
Cyclone	✓	✓	✓
Mercury	✓	✓	✓
ACEX 1K	✓	✓	✓
APEX II	✓	✓	✓
APEX 20K	✓	✓	✓

APEX 20KE	✓	✓	✓
APEX 20KC	✓	✓	✓
FLEX 10K	✓	✓	✓
FLEX 10KA	✓	✓	✓
FLEX 10KE	✓	✓	✓
FLEX 8000	✓	✓	✓
FLEX 6000	✓	✓	✓
MAX II	✓	✓	✓
MAX 7000A	✓	✓	✓
MAX 7000B	✓	✓	✓
MAX 7000S	✓	✓	✓
MAX 3000A	✓	✓	✓
MAX 9000	✓	✓	✓
MAX 9000A	✓	✓	✓
Excalibur	✓	✓	✓
Serial Configuration Devices	✓	✓	—
Enhanced Configuration Devices	✓	✓	✓

Related Links

- [Literature: Cables & Dev Kits](#)
- [Download Cable Drivers](#)
- [Setting Up Programming Hardware](#)

[Please Give Us Feedback](#)
[Sign Up for E-mail Updates](#)

[Rate This Page](#)

[Home](#) | [Products](#) | [Support](#) | [System Solutions](#) | [Technology Center](#) | [Education & Events](#) | [Corporate](#) | [Buy On-Line Devices](#) | [Design Software](#) | [Intellectual Property](#) | [Design Services](#) | [Dev. Kits/Cables](#) | [Literature](#)

[Contact Us](#) | [New User](#) | [Site Map](#) | [Privacy](#) | [Legal Notice](#)

Copyright © 1995-2005 Altera Corporation, 101 Innovation Drive, San Jose, California 95134, USA