

**Primera Trio®  
All-in-One  
Portable Printer**

**Reviewer's Guide**

**(As of March 22, 2016)**

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# Introduction

Primera Technology, Inc. is pleased to introduce you to **Primera Trio**. Thank you for agreeing to review the product.

Primera Trio is an entirely new concept for enhancing productivity while on-the-go. It prints, copies and scans – all from a tiny printer in a rugged package that fits into almost any computer bag or carry-on. Weighing in at just 1.2 kg, you'll hardly even notice that it's there.

An optional lithium-ion battery lets you use Primera Trio anywhere your laptop or other Windows or Mac devices take you. It even comes complete with power plug adapters for virtually any outlet you'll find on Planet Earth (and perhaps elsewhere). Primera Trio was designed to travel!

## What's an All-in-One Portable Printer?

It's the name that our crack marketing team invented to describe an entirely new category of miniscule all-in-one printers. We didn't want to use the terms "mobile" or "portable" since those have already been used to describe much larger and heavier printers. As the smallest and lightest-weight all-in-one printer ever developed, we call Primera Trio the world's first – and for now, the world's only – All-in-One Portable Printer.

## Features you *won't* find on Primera Trio

We've done several things – some might call them compromises, we call them "*things that we had to do*" – to make Primera Trio as small and as lightweight as it is.

First, the print head is mounted on a rotating shaft (patent pending). When you're ready to pack up the printer, lift a latch and pivot the print head onto its side. Yes, that's an extra step you don't have to perform with regular inkjet printers. But the other choice was to make the printer nearly three-quarters of an inch taller – not really an acceptable option. Alternatively, we could have used tiny ink carts that would quickly run out of ink. We didn't like that option very much, either. So we invented the world's first rotating inkjet print head. Having a large ink cartridge also allows us to put a lot of ink into the cartridges, delivering a very attractive low cost per print.

Another step we took to keep the printer so small was to use a single ink cartridge at a time. Otherwise, the printer would have been roughly 2" wider and then *not* fit inside most computer bags. Primera Trio comes with one standard colour cartridge for printing in full-colour or process black. An optional standard black cartridge, high-yield black or high-yield colour cartridge can be purchased separately. The standard colour cartridge comes with a nice little "cartridge garage" (e.g., a cartridge holder) so you have a place to store your colour cartridge if you change to a black cartridge.

Finally, you'll notice that we left off any kind of a wireless interface. In our experience and from our market research we discovered that most business people have very low tolerance and even less patience for wireless connections that for some unknown reason won't connect. Bluetooth was initially considered but left off because data rates are too slow for scanned images. You'd need to plug in a USB cable for that anyway.

Instead, we use a standard USB cable. It just works every time. And of course, you can still share the printer on any wired or wireless Windows network you have at home or at work.

There's another huge benefit from using a USB cable for the data interface. When you're operating the printer off of battery power, the USB port is constantly trickle-charging the printer's battery. That's handy when you leave town with a battery that might be only partly charged.

So other than those three things, Primera Trio performs very much like any other desktop all-in-one printer. It's just a lot smaller and weighs much less. Yet it delivers stunning 4800 dpi print quality, has a built-in sheet feeder, scanner and copy functions, and has fast printing and scanning speeds. What more could you want from an all-in-one printer that weighs just 1.2 kg.

### **It's actually practical**

As you start to use Primera Trio and write your review, we hope you'll notice that every inch of Primera Trio was carefully planned and evaluated for performance, price, ease of use and most of all, to keep the unit as small as possible.

In our way of looking at this product, it's not enough to say, "Primera Trio is the smallest, lightest weight all-in-one printer in the world." We also want our customers to say, "It's small enough and useful enough that I'll actually take it with me."

## Key Features of Primera Trio

1. **Size.** It is the world's smallest all-in-one printer at just 290mmW x 46mmH x 165mmD (11.4"W x 1.8"H x 6.5"D).
2. **Weight.** It is the world's lightest-weight all-in-one printer at just 1.2 kg (2.7 lbs.)
3. **All-in-One functions.** It prints, scans and copies.
4. **High-speed scanning.** Scan anything from receipts to business cards to A/A4 sheets.
5. **Integrated sheet feeder.** Holds up to ten pages. An input slot on the back is also included for feeding and printing onto heavier paper, light cardstocks and 4" x 6" photo paper.
6. **Colour or black printing.** One standard colour cartridge is included with the printer. The standard colour cartridge includes its own travel-ready cartridge garage for storing the cartridge not in use while using an optional standard black cartridge, high-yield black or high-yield colour cartridge. Up to 4800 dpi print resolution lets you print photo-quality output.
7. **Print speed.** Although Primera Trio isn't the fastest portable printer, it's certainly fast enough to print almost everything you'll possibly need while on the road.
9. **Options.** A number of options are available to make mobile printing and scanning easy and kind of fun, too:
  - Snap-on top cover in four different colours: gloss pink, gloss blue, gloss white and matte silver (gloss black is standard)
  - AC adapter with power cord and plug adapters for EU, AP, UK
  - 12v vehicle power adapter
  - Vehicle mounting kit: includes black painted metal bracket, mounting screws and 12v vehicle power adapter cable and plug
  - Laptop bag with a pocket that fits the printer like a glove
  - Neoprene zippered sleeve
  - 4" x 6" gloss photo paper
  - Extended warranty

# Customer Profiles

## A. Road Warriors

Although the need for printing in business has certainly declined in recent years (i.e., The Cloud and .pdf files), people who travel will inevitably find that they need to print something. It could be agendas or copies of a spreadsheet for tomorrow's meeting, an expense report, maybe a boarding pass or revisions to price lists for the trade show where you are exhibiting. Before Primera Trio, your choices for printing while on the road have been limited:

- **The Business Centre.** If you manage to even find the business centre, congratulations! You'd then better hope that the ancient PC and 1990's-era laser printer isn't broken and that the printer is actually loaded with paper.

There are also dangers lurking in business centres that you might not even know about. Malware and viruses – including key loggers – are reportedly installed on thousands of hotel business centre PCs. The bad guys just walk in and load them up since no one is ever watching the business centre. You risk the theft of your passwords and confidential information every time you log on. Plug in your flash drive and those nasty viruses can follow you everywhere, spreading those risks to others – maybe even to your customers.

Here are three articles that will likely change the way you think about hotel business centres:

<http://huff.to/1DLcSg>  
<http://bit.ly/1lufxzj>  
<http://on.wsj.com/1v9Q5ri>

- **The Wireless Print Service.** Some hotels have recently started to offer services where you can send your files over an unsecured wireless link to either the business centre PCs – bad idea, see above – or to the front desk clerk who will print off your documents. This second option begs an obvious question: Do you really want the front desk clerk to see your confidential information and maybe even keep a copy for who knows what reasons?
- **Other Portable Printers.** Several other mobile printers have been available for a number of years. Most of them are full-function desktop printers that have been designed to be somewhat smaller but are still a lot heavier and larger than Primera Trio. Information on other mobile printers is included in the section of this document titled “Competitive Landscape.” New to the market is Epson's WF-100 mobile printer. While they say that it is the world's smallest and lightest portable printer, Primera Trio now holds that title. It's over 1 pound lighter and 44 in<sup>3</sup> smaller than Epson's WF-100. The WF-100 also doesn't have a scanner or copier function.

## **B. People on the Go**

This is a pretty broad category of users that includes route delivery drivers, estimators, law enforcement/police cars, fire trucks and ambulances, realtors, insurance salespeople, adjusters and appraisers, field service techs, leisure travellers, over-the-road truckers – the list goes on and on. You can probably think of many more who can benefit from page-wide, full-colour ultra-light printing.

For example, hand-written invoices, manifests, quotes, delivery receipts and parking tickets are generally pretty unprofessional looking. Print them on Primera Trio instead. Available options to make mobile printing easy include a vehicle power adapter, painted steel vehicle mounting bracket and optional lithium-ion battery.

## **C. Dorm Rooms, Home Offices, Retail Counters – anywhere that space is at a premium**

Primera Trio doesn't just have to be used by travellers. Because it's so capable, it's also a great choice as your main printer/scanner/copier when you have limited space. It does all of the main things a regular desktop all-in-one printer can do but with a far more compact footprint.

## What's in the Box?

Before we answer that question, let's talk about the box itself. You may have noticed that the box is made from brown corrugated cardboard. This type of construction costs more than a standard paperboard box with foam end caps. But we wanted to be as green as possible with our packaging. That's why Primera Trio's packaging is recyclable and even compostable (well, except for the stretch film). We thought being environmentally responsible was worth the extra dollar. Our retail box is also the shipping box, avoiding the need for double boxing and saving even a few more trees.

Inside the box you'll find:

- Primera Trio printer
- Primera 31020 color ink cartridge
- Lithium-ion battery (up to 350 pages)
- 3-foot-micro-USB to standard USB cable
- Scanner calibration card
- Quick Reference Guide



## Competitive Landscape

When shopping for a mobile all-in-one printer, Primera Trio is in a category all by itself. No other units even exist that are anywhere near its size and weight and include scanning, copying and printing all in one device. As mentioned earlier, that's why we had to invent a new printer category that we call "Portable Printers."

Here are the closest printers that are marketed as mobile or portable:

- **HP Officejet 150**, has been on the market for a couple of years. In our humble opinion, it is a very different all-in-one printer for different markets than Primera Trio. At 2.9 kg (6.4 lbs.) (3.1 kg (6.8 lbs.) with battery), it's heavier than most laptops. Primera Trio weighs just 1.2 kg (2.6 lbs.) (1.3 kg (2.8 lbs.) with battery), making the HP OfficeJet 150 over two times heavier.

It is important to point out that with its larger size and weight the HP OfficeJet 150 includes several additional features you won't find on Primera Trio. For example, it has a 50-page input feeder (Primera Trio has a 10-page input feeder), two full-size ink cartridges that are always installed, and prints faster than Primera Trio. It also includes a Bluetooth wireless interface. It's a great printer in many ways. You just won't be able to fit it in most briefcases or computer bags. But if you are traveling to a remote office where you'll stay for a while, it's a very capable printer.

Several other portable/mobile printers are also available. These devices are print-only; in other words, no scanner or copier functions are included. Current models include:

- **Epson WF-100 mobile printer** –Epson recently announced what they are calling the world's smallest and lightest A/A4 paper-sized mobile inkjet printer that is portable enough to carry anywhere. At 1.6 kg (3.5 lbs.) and 309mmW x 155mmD x 61mmH (12.2"W x 6.1"D x 2.4"H), it is the closest in size to the Primera Trio. However, it is still notably larger and almost one pound heavier. A major disadvantage is its lack of a scanner. One advantage is that it includes Wi-Fi compatibility.
- **Canon PIXMA™ iP100**: about double the size and weight of Primera Trio. Prints in colour and black.
- **Brother PocketJet 6**: direct thermal printer that requires special heat-sensitive paper. Very low print resolution (300 dpi). Paper fades in sunlight and can easily be scratched. Prints only in black.
- **HP OfficeJet 100**: the printer-only version of the HP150. Slightly smaller and less heavy than the HP150, but still more than twice the weight and more than twice the size of Primera Trio. Prints in colour and black.

# Specifications

All-in-One Functions	Print, scan and copy
Printer type	Thermal inkjet
Print speed <sup>1</sup>	(draft, letter) 3.1 ppm black, 2.4 ppm colour ISO speeds: Up to 2.4 ppm black, up to 1.7 ppm colour
Print resolution	Up to 4800 dpi
Borderless printing	Yes; up to 10.2 x 15.2mm (4" x 6"), A6, up to 127mm (5") wide
Paper Handling	Up to 10 sheets input tray. One sheet input slot on the back for feeding and printing onto light card stocks and photo
Scan speed	Up to 1.4 ppm (300 dpi, b&w); up to 1.6 ppm (300 dpi, colour)
Scan size maximum	Up to 216 x 356 mm (8.5" x 14")
Scanner capacity	One (sheet, receipt, business card, etc.)
Scan resolution	Hardware: Up to 600 x 600 dpi Optical: Up to 600 dpi
Copy resolution	Up to 600 x 600 dpi colour and black
Copy speed	ISO Speeds: Up to 1.7 ppm black, Up to 1.1 ppm colour
Minimum System Requirements (Windows®)	Windows Vista™, 7, 8, 8.1 with latest service packs Intel® Celeron® processor or faster (or equivalent) 2GB RAM 1GB hard drive space CD/DVD drive if installing software from disc USB 1.1 or higher
Minimum System Requirements (Mac®)	OS X v10.6 or higher 2GB RAM 1GB hard drive space CD/DVD if installing software from disc USB 1.1 or higher
Standard Connectivity	USB 1.1 (2.0/3.0 compatible)
Media Sizes Supported	Letter, legal, folio, A4, A6, 4" x 6" photo, U.S. #10 envelope, Hagaki, custom

Product dimensions	290mmW x 46mmH x 165mmD (11.4"W x 1.8"H x 6.5"D)
Product Weight	With no battery: 1.2 kg (2.6 lbs.) With battery: 1.3 kg (2.8 lbs.)
Power	Power supply type: external universal power adapter Input voltage: 100 to 240 VAC Output voltage: 7.5 VDC @ 3.2A
Accessories	Snap-on cover in clear-coated blue, white or pink or matte silver (black is standard) AC adapter with power cord and plug adapters for EU, AP, UK 12v vehicle power adapter Vehicle mounting kit: includes black painted metal bracket, mounting screws and 12v vehicle power adapter cable and plug 4" x 6" photo paper Laptop bag Neoprene zippered sleeve Extended warranty
Replacement ink cartridges	Primera 53376 High-Yield Color Cartridge (580 pages, draft), (260 pages, ISO) <sup>2</sup> Primera 53377 High-Yield Black Cartridge (495 pages, draft), (185 pages, ISO) <sup>2</sup> Primera 31020 Standard Yield Color Cartridge (175 pages, draft), (70 pages, ISO) <sup>2</sup> Primera 31021 Standard Yield Black Cartridge (360 pages, draft), (135 pages, ISO) <sup>2</sup>
Warranty	One-year parts and labour including one year of phone, chat and email support
Extended Warranties	Two-year NBD exchange with Level 2 Tech Support Three-year NBD exchange with Level 2 Tech Support
What's in the box	Primera Trio Printer, Primera 31020 color ink cartridge, Lithium-ion battery (up to 350 pages), 3-foot micro-USB to USB cable, scanner calibration sheet, Quick Reference Guide

<sup>1</sup>Either after first page or first set of ISO test pages using ISO/24734.

<sup>2</sup>Replacement cartridge yields are based on ISO/IEC 24711 tests in default mode printing continually.

## When and Where Can I Buy Primera Trio?

Primera Trio is available in the USA at [www.primeratrio.com](http://www.primeratrio.com) and in the EMEA region at [www.primeratrio.eu](http://www.primeratrio.eu).

The printer can also be purchased through hundreds – by the time you read this, perhaps thousands – of the most popular online stores.

For USA, Canada and Latin America, contact Primera Technology, Inc. by phone at 1-855-797-2332 (USA and Canada) or +1-763-951-7404 or by e-mail at [salesprimera.com](mailto:salesprimera.com).

For Europe, Scandinavia, Middle East and Africa, contact Primera Europe GmbH in Germany by phone at +49-(0) 611-92777-0, by FAX at +49-(0) 611-92777-50 or by e-mail at [sales@primera.eu](mailto:sales@primera.eu).

For Asia Pacific, contact Primera Asia Pacific in Australia by phone at +61 3 9798 8720 or by email at [sales@primera-ap.com](mailto:sales@primera-ap.com).

## Who Can Answer Additional Questions?

If you are an **editor or reviewer**, please contact Anke Both, PR Manager, at +49-(0) 611-92777-0, by FAX at +49-(0) 611-92777-50 or by e-mail at [presse@primera.eu](mailto:presse@primera.eu).

If you are a **reseller, distributor or end-user**, please contact Primera Europe Sales at +49-(0) 611-92777-0 or send an e-mail to [sales@primera.eu](mailto:sales@primera.eu).

If you need **technical support**, please call Primera Europe Tech Support at +49-(0) 611-92777-0. You can also send an email to [support@primera.eu](mailto:support@primera.eu).

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If any of the above describes you and you live in Australia, New Zealand, Japan, China, India, Pakistan, Korea, Malaysia, Indonesia, Singapore or any other country in Asia Pacific, please contact Primera Asia Pacific at +61 3 9798 8720 or by email at [sales@primera-ap.com](mailto:sales@primera-ap.com).

# Who is Primera?

Primera Technology, Inc. (“Primera”) is one of the world’s leading specialty printer manufacturers. The company was founded in 1974 as Fargo Electronics, Inc. (“Fargo”). Fargo designed and manufactured dot matrix printers, truck scale printers, thermal and thermal transfer bar code printers, dye-sublimation colour printers and photo ID card printers. Fargo’s photo ID card printer product line was spun-off into a separate, publicly-traded company in 1998. Today, Fargo is owned by HID, Inc.

Primera was formed in 1998 as a designer and manufacturer of colour label printers and CD/DVD/Blu-ray Disc™ printers and disc duplicators. Today, Primera is known for its best-selling Disc Publishers and disc printers (DP-series), inkjet and laser colour printers (LX-series), digital label presses and finishers (CX/FX-series) and its medical printers division (Signature-series). The company’s core group of engineers and marketing people has been together for more than 30 years.

Primera is a privately-held company headquartered in Plymouth, Minnesota, USA. As global operating company, Primera established in the year 2000 a central office for the EMEA (Europe, Middle East and Africa) region, called Primera Technology Europe. Primera Europe is responsible for marketing, sales, logistics, support and service in that region and is located in Wiesbaden, Germany. In 2007, the manufacturer opened in Hong Kong another office, called Primera Asia Pacific, representing Primera in the Asian-Pacific area.

For more information on Primera, its products and history please visit [www.primera trio.eu](http://www.primera trio.eu), [www.primera.eu](http://www.primera.eu), [www.primera label.eu](http://www.primera label.eu) and [www.primera-healthcare.eu](http://www.primera-healthcare.eu).

## A Couple of Notes to Editors and Reviewers

Depending upon your audience, it might be worth mentioning that Primera Trio was conceived, designed and is assembled in the United States of America (of course, from globally-sourced components). We’re proud to be one of only a handful of computer printer manufacturers still based in the USA.

Regarding the legal stuff, Primera and Primera Trio are registered trademarks (®) of Primera Technology, Inc. All other trademarks are the property of their respective companies. “Primera Trio” is the trademark and the proper name of the product; “Trio” by itself is not.

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