

PRODUCT DATASHEET

AIMO 650 / 650 PRO

2-Inch Compact Desktop Thermal Label Maker

The AIMO 650 / 650 PRO is a compact desktop label printer designed to quickly and efficiently print a variety of labels including price tags, shipping labels, product identification labels, inventory labels, and more. Featuring a fully-closed gearbox design for dust-free reliability, intelligent auto label detection, and silent operation, it is the ideal labeling solution for offices, warehouses, retail, and logistics environments.

KEY FEATURES

- ▶ High-speed printing up to 127 mm/s (650 PRO) — up to 65 labels per minute
- ▶ Optional 300 dpi high-resolution version (650 PRO) for sharp, precise output
- ▶ Intelligent auto label detection — automatically identifies label size and type
- ▶ Silent printing with quick-start label editing software
- ▶ Multiple connectivity: USB, Bluetooth, Ethernet (optional)
- ▶ Compact, fashionable design with reduced desktop footprint
- ▶ Fully-closed gearbox — dust-proof for high reliability
- ▶ Compatible with LabelWriter® and compatible label rolls
- ▶ TSPL command set for easy system integration

TECHNICAL SPECIFICATIONS

SPECIFICATION	AIMO 650	AIMO 650 PRO
Printing Method	Direct Thermal	
Printing Resolution	203 dpi	300 dpi
Max Printing Speed	100 mm/s	127 mm/s
Max Printing Width	56 mm	54 mm
Max Paper Roll Diameter	Ø118 mm	
Max Printing Length	300 mm (39")	
Media Type	LabelWriter® and compatible labels	
Media Thickness	0.06 ~ 0.15 mm	
Media Core Diameter	26 mm (Ø1")	
Product Dimensions	129 × 219 × 157 mm (L × W × H)	
Net Weight	0.96 kg / 2.12 lb	
Sensors	Fixed reflective and transmissive sensors	
Command Set	TSPL	

CONNECTIVITY & INTERFACE

PARAMETER	DETAILS
Interface	USB Bluetooth Ethernet (optional)
Power Supply	External universal switching: AC 100–240V, 2.5A, 50–60Hz
Controls	Status indicator, Feed button (auto identify / pause / resume), Power switch

BARCODE SUPPORT

TYPE	SUPPORTED FORMATS
1D Barcodes	Code 39, Code 93, Code 128, Code 128M, EAN-8, EAN-13, UPC-A, UPC-E
2D Barcodes	QR Code

SYSTEM COMPATIBILITY

PLATFORM	SUPPORTED VERSIONS
Mobile – iOS	iOS 11.0 and above
Mobile – Android	Android 5.0 and above
Windows	Windows XP, 7, 8, 10, 11
macOS	macOS 10.14 and above
Windows ARM	Windows Surface with ARM CPU
Chrome OS	Chromebook
Linux	Raspberry Pi, CentOS 7.0 (x64), Ubuntu 12.04 (x86/x64)

ENVIRONMENTAL CONDITIONS

CONDITION	OPERATING	STORAGE
Temperature	5°C ~ 50°C	-20°C ~ 70°C
Humidity	20% ~ 85% (non-condensing)	5% ~ 95% (non-condensing)

PACKAGE CONTENTS

- ▶ AIMO 650 / 650 PRO Printer Unit
- ▶ Testing labels (36 mm × 89 mm × 30 sheets)
- ▶ Power adapter
- ▶ Power cord
- ▶ USB cable
- ▶ Label stopper
- ▶ Quick Start Guide

CERTIFICATIONS

FCC | CCC | CE | RoHS | ICC

APPLICATIONS

Price tags • Shipping labels • Product identification • Inventory management • Address labels • Barcode labels • Name badges • Warehouse logistics • Retail • Office organization

AIMO — Zhuhai Elmer Technology Co., Ltd.

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