

**THE WORLD'S FIRST INTELLIGENT  
WEB BASED POS PRINTERS.**



Epson's groundbreaking TM-i series receipt printers offer intelligent web-based and mobile printing for transaction processing and billing capabilities. Enjoy the efficiency of connecting directly with smart devices for full remote access to online databases – our OS-independent technology delivers convenience and control with no PC required.



TM-T88V-i



TM-T70-i

**ENGINEERED FOR BUSINESS**

**Intelligent Communication**

Intelligent technology allows direct communication between smart devices and online databases.

**Hassle-Free Maintenance**

OS-independent technology reduces recurring maintenance costs.

**Compact and Space-Saving**

Creating an optimal and efficient environment without taking up valuable retail space.

## RESTAURANTS & CAFÉS



## GOVERNMENT AGENCIES, HOSPITALS, FINANCIAL INSTITUTIONS



## SPECIALTY RETAIL STORES



The new Epson TM-T88V-i and Epson TM-T70-i combine Epson's world-renowned TM receipt printers and the new Epson TM-"Intelligent" solution, offering direct web application printing.



### Epson TM-i Series Intelligent Printers

In today's fast-paced retail environment, the widespread use of mobile devices has spearheaded a new era in transaction processing. Web-based applications and databases built to connect seamlessly with mobile devices have now made retail transaction processing faster and more convenient than ever, with low set-up costs compared to traditional systems.

Epson's new TM-i series empowers customers to take advantage of these advances to deploy a compact, wireless and holistic POS system with on or offline web server transaction processing. The TM-i series models are based on highly-reliable Epson receipt printers which feature a built-in web server, Epson's unique e-POS-print technology for browser-based printing from any smart mobile device, an industrial-grade PC processor with an embedded Linux platform, peripheral connectivity and VGA output.



## Intelligent Communication

### Direct Print

Epson has developed a new solution that enables direct printing from web applications (HTML 5 compatible) without a PC or print drivers. Our innovative ePOS-Print technology delivers a straightforward solution for XML printing using smart mobile devices and tablets. This OS-independent solution eliminates the need for the hassle of software maintenance and updates each time a new version of an OS is launched, creating a superior and unmatched printing solution for users.



### CANVAS function for graphics and handwriting



With their HTML 5 CANVAS function; the Epson TM-i printers can convert pictures, fonts or handwriting elements to black and white graphics before sending them for printing. This allows for capabilities such as customers being able to sign their names for credit card bills or customizing orders by handwriting on smart devices, which are then printed.

### Hassle-Free

Use easy-to-develop web applications without the need to consider different Operating Systems (OS) or Software Development Kit (SDKs) for various smart devices or to install printer drivers. Should hardware be discontinued, no follow up is required by the user, as there was no driver installation.



## Compact & Space-Saving

With the Epson TM-i series printers, no PC is required. A POS transaction system could be as simple as a single smart mobile device wirelessly connected to a single TM-i printer! This allows for efficient space usage and a clutter-free working environment.



Conventional POS: Cluttered and messy



Epson TM-i POS: Neat, mobile and compact

## Convenience and Full Control

For a holistic transaction processing system, the new Epson TM-i printers feature a printer hub function that can send different print instructions relating to the same transaction to as many as 20 connected Epson POS printers. For example, in a restaurant, order information can be routed to a kitchen printer for preparation, while billing information for the same transaction can be sent to the cashier counter to be printed in the final receipt.



Ordering point



Client printer in kitchen prints order information for food preparation

## Easy Developer Tool

The Epson TM-i printers come with the ePOS Print Editor: a graphical developer tool that makes it easy to create web applications from a browser interface. Simply drag and drop program elements and specify required parameters, and the ePOS Print Editor will generate the necessary codes for your needs automatically!



## Cost Effective

The Epson TM-i printers offer a low cost method of adding web application printing capability to small networks without the need for additional PCs, and are able to host web application databases stored on MicroSD cards.



Epson TM-i at cashier counter acts as a printer hub and prints final receipt



Client printer at bar prints drink orders for drink preparation

Product Name	TM-T88V-i	TM-T70-i
<b>Printer Type</b>		
Print method	Thermal line printing	
Dot Density	180 x 180 dpi	203 x 203 dpi
<b>Print speed</b>	max. 300 mm/ sec	max. 170 mm/ sec
<b>Paper Dimensions</b>		
Width (mm)	79± 0.5 mm/ 57.5 ± 0.5 mm	79± 0.5 mm
Thickness (mm)	0.06 to 0.07 mm	
Roll Diameter (mm)	max. 83mm	
<b>Reliability</b>		
Printer Mechanism Life	20 million lines	15 million lines
MTBF	360,000 hours (main unit) 180,000 hours (intelligence board)	
Auto cutter life	Up to 2 million cuts (on approved media <sup>1)</sup> )	Up to 1.5 million cuts (on approved media <sup>1)</sup> )
<b>Overall Dimensions</b>	145 (W) x 195 (D) x 148 (H) mm	125 (W) x 194 (D) x 114 (H) mm
<b>Weight</b>	approx. 1.6kg	approx. 1.8kg
<b>CPU Processor</b>	ARM9 (400MHz)	
<b>Main memory</b>	LPDDR 256MB	
<b>Flash memory</b>	256MB (user area: 30MB)	
<b>Interfaces</b>		
Local storage	Micro-SD x 1	
LAN	10/100 Base-T/TX x 1	
Maintenance port	D-sub 15pin (VGA) / Micro-USB AB x 1 / USB Type A x 4 (only for wireless LAN)	
<b>Power supply</b> (Dedicated AC/DC supply)		
Input Voltage:	AC 100V- 240V	
Output Voltage (main unit)	DC24V	
Output Voltage (intelligence board)	DC5V	
<b>Slave printer control</b>		
Supported printers	TM-T88V, TM-T70, TM-T90, TM-L90 (TM-U220, TM-T88IV from firmware version 3 onwards)	
No. of printers	Up to 20 units (equipped with Ethernet or wireless LAN interface)	
<b>Software</b>		
OS	Embedded Linux 2.6.30	
Web Service	ePOS-Print Service	
Print protocol	ePOS-Print XML (SOAP)	
Web server	Apache	
Utility	EpsonNet WebConfig	
	- Network setting	
	- Web contents upload	
<b>Options</b>	Wireless LAN: OT-WL01 (802.11 b/g/n)	

<sup>1</sup> when using OJI Paper PD150R or PD160R

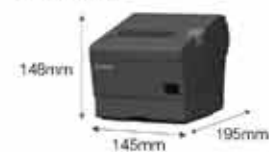
**Safety Standard:**

VCCI ClassA, CE Marketing, EMC Directive ClassA, Low Voltage Directive TÜV, UL, FCC ClassA

**Dimensions & weight**

**TM-T88V-i**

**Weight: 1.6kg**



**TM-T70-i**

**Weight: 1.8kg**



**Intelligent Board**



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