*I*dca

Security White Paper

DYNAMIC
SOFTWARE SOLUTIONS

Introduction

iDCA's tool provides patented technology to enable Multi-Function Devices (MFDs) or printers to always report meter, service and consumable data by utilising a simple stick-on relay box that attaches to the back of any brand MFD or printer, eliminating expensive, time consuming manual Managed Print Service support that has been bogging down businesses for years. **Simply put, no more non-reporting units.**

Important: For ECI DCA security related information, always refer to the **FMAudit®** and **Printanista®** Technical White Papers.

MPS MADE EASY WITH *i*dca

- **Timely delivery**
- **Increased uptime**
- **Higher savings**

Hardware Spec	
CPU	Model: Rockchip RK3328 Number of cores: Quad-Core Cortex-A53 Frequency: 4 x Cortex-A53 up to 1.3 GHz
Memory	RAM: 1 GB DDR4
Network	Internal 10/100/1000M Ethernet Port x 1 USB 3.0 converted 10/100/1000M Ethernet Port x 1
USB	USB C: power input and USB slave USB 2.0 Host: Type-A x1
Input	MicroSD Slot x 1
Pin-header	Debug Serial Port: 3.3V TTL, 3-pin 2.54mm pitch connector, 1500000 bauds
LED	LED x 3
KEY	KEY x 1 programmable
PC Size	55.6 x 52mm
Power Supply Minimum	DC 2.4V/2A
Working Temperature	0˚C to 80˚C
OS/Software	Ubuntu-Core

Pre-registration

- Registration portal is running Apache
- Post-registration Apache is shutdown and disabled

Hardware Capabilities

- Packet passthrough on bridge 941 mbps throughput
- Negotiates 10/100/1000 half and full duplex

ECI DCA Ports and Usage (FMA Audit 4.5 and Printanista)

Inbound Connections		
Port	**Protocol**	**Description**
31816	TCP	DCA services, local web interface
80	TCP	Locally host webpage for registration input
2982	TCP	Custom SSH port (disabled after registration)

Outbound Connections		
Port	**Protocol**	**Description**
443	TCP	Data upload
443	TCP	Software updates
123	UDP	Time setting
53	UDP	DNS local network DNS server
161	UDP	SNMP device discovery