TECHNICAL BULLETIN 25-10

IMPORTANT - NEW ELECTRONICS UPDATE

Pronto, Pronto 100, Magicard 300, Magicard 600, PriceCard Pro Flex+,

Magicard D; K & E+ Series

Reason for Bulletin

As part of our ongoing drive for continuous improvement, Magicard is making some essential changes to the electronics within its most recent direct to card (DTC) printers (listed on Page Three).

The significant change is to the Main Controller PCBA which is being replaced by a similar looking and improved design (known as “MB2”)

This updated Main Control PCBA design will become the common platform across the listed products with only minor component population differences for certain printer models – i.e., they all share a common base.

With these changes the customer/printer end-user will observe no difference in function or performance of the printer, therefore there is absolutely no advantage in actively swapping out printers with the updated platform.

There’re a few cosmetic differences, most notably:

1. On Magicard 600 and 600 NEO products the WiFi Dongle is connected internally (via “USB Host 1” USB Connector).
2. Rear Connector panel reverts back to Power, Ethernet (depending on product capability) and USB Connector.



Rear Printer View Showing simpler connector layout.

3. New silver base label signifying the updated platform (MB2 MK1)



Base label with the red circle highlighting the update

While to the end user this change is broadly `internal', the update does have substantial implications for product support and spares holding.

Additionally, since this is a major component change the firmware version will be restarting:

- MB1 revision at the time of writing is V15.60 (tentatively finishing at V15.61)
- MB2 revision is currently V1.1 incrementing as new versions are released.

Both versions will be available on the Magicard Support web-site and simply accessed via serial number search.

Which Printers are affected?

This is the full list including some printer models which may / may not be available for your region:

The change also affects customer white label product variants.

Pronto (Serial Nos 7xxxxxxx only)	P/N's 3649-0001
Pronto 100	P/N 3100-xxxx/x
Magicard 300:	P/N's 3300-xxxx/x
Magicard 600:	P/N's 3652-5xxx/x
Magicard D:	P/N's 4500-xxxx/x
Magicard K:	P/N's 4500-xxxxK/x
Magicard E+	P/N's 4500-00xx-EP/x
PriceCard Pro Flex+	P/N's 4500-00xx-PR

(Note 1: The update includes all white label variants and NEO related products

(Note 2: Pronto (Serial Nos xxCxxxx or xxFxxxx), Enduro 3e, Enduro NEO and Ultima are not included in this update).

Required Action

No immediate action is required however, you should familiarise yourself with this bulletin, prepare for the change and update any spare parts stock admin accordingly.

Part Number Comparisons

This table details the previous hardware revisions versus MB2 part numbers by product group. These part numbers identify if the part is updated or common and will give you the information to order the correct spare part.

		Rio Pro 360	Magicard 600 / D	Magicard 300	Magicard K
MB1 (Rev1)	Main Control PCBA	FG/3652-3900		FG/3300-0500	FG/4500-0500
	Printhead Assembly	FG/3652-3160		FG/3652-3160	FG/3652-3160
	Printhead Cable	3652-3430		3652-3430	3652-3430
	RFID PCBA	3652-3510		3652-3510	3652-3510
	Rear Connector Panel	3652-0100-009	3652-0511-008	3652-0100-009	3652-0100-009
	Mag PCBA	3652-3550		3652-3550	3652-3550
MB1 (Rev2)	Main Control PCBA	FG/3652-0700		FG/3300-0700	FG/4500-0700
	Printhead Assembly	FG/3652-0160-2		FG/3652-0160-2	FG/3652-0160-2
	Printhead Cable	3652-4410		3652-4410	3652-4410
	RFID PCBA	5000-0530		5000-0530	5000-0530
	Rear Connector Panel	5000-0100-005		5000-0100-005	5000-0100-005
	Mag PCBA	4000-0591		4000-0591	4000-0591

		Pronto	Pronto 100	Magicard 300	Magicard 600; D; E+ & PriceCard Pro Flex +	Magicard K
MB2 (Rev1)	Main Control PCBA	FG/3649-0900	FG/3100-0900	FG/3300-0900	FG/3652-0900	FG/4500-0900
	Printhead Assembly	FG/3649-0160	FG/3100-0160	FG/3652-0160-2		
	Connector Panel	3649-0100-021	5000-0100-005			
	RFID PCBA	4500-0950				

Q & A

Q. When does this change go live?

A. Not all products will transition to the new electronics at the same time as this will depend on the rate at which existing stocks are depleted which in turn is dependent on sales demand.

First products switched over September 2025

Q. How can I identify if the Printer has MB1 or MB2 electronics?

A. Whilst the main differences are internal the rear connector panel and silver label have been updated as outlined on Page One and Two.

Additionally, by printing the self-test card the software version can be reviewed.

Q. Is the new PCBA parts compatible with earlier products?

A. Referring to the tables on Page 4.

MB2 equipped printer parts are back compatible with MB1 (Rev 2) – as shown in green

MB1 (Rev1) equipped printer parts are unique and require like for like exchanges.

Q. The RFID PCB Part Code is different across both MB1 (Rev2) and MB2, will I also need to exchange this part when replacing the PCBA?

A. No, it is not necessary to replace the RFID PCB when exchanging the Main Controller PCBA (i.e., P/N 5000-0530 will still function correctly when connected to an MB2 style part).

Q. What happens if I order an MB1 (Rev 2) part in error rather than the new part code?

A. Assuming the serial number verifies as a MB1 (Rev 2) equipped device and depending on stock levels you will receive either a like for like match or the new MB2 part.

This really depends on external demands for both for Printer Sales and Spare Parts consumption.