

# Cardax FT Cabinets

Cardax FT Cabinets are secure enclosures for the Cardax FT Controllers 3000 and 5000GL, and Cardax FT GBUS and LOCAL BUS I/O Devices.



There are three housing options for the modular Cardax FT printed circuit boards (PCBs). The sizes of the individual PCBs vary and are designed to be proportional to the footprint of the Cabinets.

### 1. Cardax FT Cabinet

Manufactured from a strong polycarbonate/ABS plastic alloy, the Cardax FT Cabinet has a UL94 flame rating of HB. It provides one footprint for Cardax FT Controllers and LOCAL BUS I/O PCBs. When a PCB is installed, optical tamper protection is provided for both the front and the rear.

One Cabinet houses any one of the following:

- 1x Cardax FT Controller (3000 or 5000GL)
- 1x Cardax FT I/O Interface
- 1x Cardax FT Relay Interface
- 1x Cardax FT Reader I/O Interface
- 2x Cardax FT Universal Reader Interfaces
- 2x Cardax FT Strike Controllers

### 2. Cardax FT GBUS I/O Accessory Cabinet

A variation of the Cardax FT Cabinet,

the Cardax FT GBUS I/O Accessory Cabinet is a secure enclosure providing one footprint for Cardax FT GBUS I/O devices. This cabinet is supplied with a gear plate and tamper board.

The input/output expansion boards are modular, designed to be mounted on the gear plate in the following combinations:

- Up to 4x Cardax FT 8-Input Expansion or Cardax FT GBUS Universal Reader Interface boards, or
- Up to 2x Cardax FT I/O Expansion boards, or
- 1x Cardax FT I/O Expansion board and up to 2x Cardax FT 8-Input Expansion or Cardax FT GBUS Universal Reader Interface boards

### 3. Cardax FT Dual Cabinet

The Cardax FT Dual Cabinet is a secure steel enclosure accommodating two footprints, doubling the housing capacity for any combination of Cardax FT PCBs. When the PCB is installed, optical tamper protection is provided for both the front and rear of the Cabinet. The Cabinet is also available with an optional 10 Amp power supply which has visible indicators for 'low

mains' and 'low battery' power monitoring. A separate gear plate and tamper board is available to enable Cardax FT GBUS I/O Devices to be fitted with optical tamper protection.

All devices must be mounted in the Cabinets following the installation instructions to comply with international emission standards such as C-Tick, CE and FCC.

### Cardax FT Controller Sub-Plate

The Cardax FT Controller Sub-Plate is designed to be mounted over a Cardax FT Controller 5000GL to allow either of the following to be installed in the same footprint:

- 1x Cardax FT I/O Expansion board
- 2x Cardax FT 8-Input Expansion boards.

It can also be installed over a Cardax FT Controller 3000 where there is no Cardax FT Dialler 3000.

**TECHNICAL SPECIFICATIONS** **Cardax FT Cabinet and Cardax FT GBUS I/O Accessory Cabinet**

<b>Housing (Provides 1 footprint)</b>	Height	280mm
	Width	280mm
	Depth	94 mm
	Shipping Weight (incl. Gear Plate and Tamper Board)	1.9 Kg
<b>Environmental Data</b>	Temperature Range	-10 to + 55°C
	Humidity	95% non-condensing
<b>Fire Resistance</b>	Flame rating of plastic used in Cabinet	UL94/VO

**Compliance Standards**



ACN 002132943



All equipment complies with CE, C-Tick, UL and FCC approvals. Please contact Gallagher Security Management Systems for the latest list of approvals. In order to comply with international standards, all Cardax FT units must be installed in Cardax FT Cabinets following the directions in the installation instructions.

**TECHNICAL SPECIFICATIONS** **Cardax FT Dual Cabinet**

<b>Housing (Provides 2 footprints)</b>	Height	620mm
	Width	372mm
	Depth	150 mm
	Shipping Weight	6.8Kg
<b>Material</b>		Approx 1 mm thick steel
<b>Humidity</b>		90% non-condensing

**TECHNICAL SPECIFICATIONS** **Power Supply Unit**

<b>Construction</b>	Mean Well AD-155A PSU with customized monitoring board and isolated auxiliary power output. Please see the Dual Cabinet and Power Supply Installation Note for full specifications.	
<b>Input Voltage</b>	100V AC – 240V AC	
<b>Output Voltage</b>	Primary power output	13.8V DC
	Auxiliary isolated power output	13.3V DC
<b>Current Range</b>	Total output current: 8A (10A with fan cooling – fan not included)	
	Primary output current range: 0~8A (including max. 0.5A battery output)	
	Auxiliary isolated output current range	0~1A*
*Total current output (primary + auxiliary outputs) may be configured to a maximum of 8A (non-fan cooled)		
<b>Working Temperature</b>	-10°C to 50°C	
<b>Standards Compliance</b>	EN55022 (EMC standard)	
	EN60950 (Safety)	
<b>Built in protection</b>	Short circuit/Over load/Over voltage protection Battery low and polarity protection	
<b>Monitoring</b>	(Mains power and low battery monitoring via visual LED indicators and Command Centre FT alarms)	



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