

Series 8 Controller and I/O Specification



S803-150-520

Release 520

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5.4. C300 Controller memory backup

A RAM charger assembly provides memory backup power for S8 C300 controller module. RAM charger is used to back up the program memory of the S8 C300 controller. It supports connecting up to 4 physical S8 C300 controllers. Multiple units can be considered based on system cabinet design and number of controllers required.

5.4.1. Notable Features

- Support up to 4 C300 controllers in one module
- Supports redundant power supply inputs through combo cable
- Supports Experion soft failure alarm for RAM charger battery status
- Typically mounted adjacent to its associated C300 IOTA(s)



5.4.2. Model Number

| Description | Model or Part Number |
|---|----------------------|
| RAM Charger Assembly | 51199932-200 |
| Cable, MBA to one C300 Controller, 30 inches (0.7 m) long | 51202330-100 |
| Cable, MBA to one C300 Controller, 84 inches (2 m) long | 51202330-200 |

5.4.3. Detailed Specification – RAM Charger Assembly

| RAM Charger Assembly Parameter | Specifications |
|--------------------------------|--|
| Form Factor | 3 inch IOTA |
| Combo Cable Connector | 1 pair, 6 pins |
| Standby Power Output | 4 |
| Memory Backup Hold-up Times | 110 Hours (4.58 Days) for 1 C300 55 Hours (2.23 Days) for 2 C300s 36.6 Hours (1.52 Days) for 3 C300s 27.5 Hours (1.14 Days) for 4 C300s |