UPS Operations with SmartSlot card. The table documents how UPS devices operate with the card.

Types of Interface

UPS: UPS operational issue

USB:

Simple: Simple Signal interface via DB9

USB port on the card.

Smart Serial: DB9 smart signaling interface

| | INTER -FACE | COMMAND NAME | HISTORIC OPERATION | OPERATION WITH LEGACY COMMUNICATIONS SMARTSLOT CARD |
|-----|----------------|------------------------------------|--|--|
| 1 | Simple | Remote On | Not always supported. Some UPS | Remote On is enabled when AC utility power is on OR |
| | | | devices allowed starting with the Remote | when AC power is off for less than 10 minutes. |
| | | | On signal when AC utility power was off. | |
| 2 | UPS | | UPS turned on immediately. | UPS turns on after any specified Turn on Delay. |
| 3 | UPS | Switched Outlets | Were not supported. | Where relevant, switched outlet operation is disabled: |
| | | | | all the UPS outlets function simultaneously. (The Main |
| | | | | Outlet Group <i>might</i> turn on slightly before, and turn off |
| _ | LIDG | DI 45 | | slightly after, the other outlets). No LCD menu screens. |
| 5 | UPS | RJ-45 comms port | Was not supported. | Disabled. |
| 6 | UPS UPS | USB comms port Self-test Operation | Differed, depending on setup. | 1. A self-test is enabled on extended-run UPS devices |
| 0 | UPS | Sen-test Operation | Could take place anytime. | with more than 8 hours runtime. 2. A UPS might disable |
| | | | | a self-test if the battery charge is < 70%. |
| 7 | UPS | Puntima Calibration | A runtime calibration worked, regardless | Two conditions: 1. The battery charge must be $= 100\%$. |
| , | 015 | Runtime Cantration | of load. | 2. The load must be => 10% of the UPS rating. |
| 8 | Smart | Test lights and | The UPS beeped for 1.5 seconds | Beep operation is determined by the UPS; some newer |
| Ü | | beeper | The OTB beeped for 1.5 seconds | UPS devices have a 5 second beep. |
| 9 | | Simulate Power | The UPS operated momentarily on | The UPS does not go to battery operation, but |
| | | Failure | battery. | remembers this command was issued (in order to check |
| | | | | whether shutdown on battery is allowed to occur). |
| 10 | Smart | Turn UPS On | Smart mode had to be re-established. | As before; smart mode has to be re-established. |
| | Serial | | | , |
| 11 | Smart | Minimum battery | After a complete discharge of batteries in | The UPS reads the value as a %, and restarts as follows: |
| | Serial | capacity to restart | an outage, the UPS restarted when the | 0%—an immediate restart; 15%—with runtime of 90 |
| | | | battery charge reached this value. | secs.; 30%—with runtime of 180 secs.; up to a |
| | | | | maximum 90%—restarts with runtime of 240 secs. |
| 12 | Smart | Battery | Any 8 characters were supported. | The date format must be mm-dd-yy, with any separating |
| | Serial | Replacement Date | | character ("-" here) supported. Dates prior to the UPS |
| | | | | manufacture date are not accepted. |
| 13 | | Alarm delay after | On some UPS devices you could set the | UPS devices cannot delay, only enable/ disable or mute |
| | Serial | line fail | beeper to sound after being on battery for | the alarm. If beeping at low battery or on battery is |
| | | | 30 secs, or at low battery. All UPS | selected, the alarm is disabled, but the setting does |
| | | | devices could mute and disable the | display. |
| -11 | | TIDG 1 1 1 | beeper. | |
| 14 | Smart | UPS Model | Returned the device name, e.g. Smart- | Returns the historical name, which might be different |
| 1.5 | Serial | N 1 1 D 11 | UPS 750VA | from the name displayed on the LCD screen. |
| 15 | | Nominal Battery | Reported the nominal battery voltage of | The nominal battery voltage is not known so the card |
| | Serial | Voltage | the UPS. | "estimates" it and returns 024, 048, or 192; if an |
| 16 | Smart | Upper Transfer | | estimate is impossible, the card reports 024. For SURTD UPS devices, this displays the bypass limit; |
| 10 | Serial | Voltage | | however, the UPS sets the allowed range of values. |
| 17 | | Lower Transfer | | For SURTD UPS devices, this displays the bypass limit; |
| 1/ | Serial | Voltage | | however, the UPS sets the allowed range of values. |
| 18 | USB | | The Turn Off Delay setting was applied | The Turn Off Delay setting is applied before the UPS is |
| - 0 | | | before turning the UPS off, the UPS | turned off, the UPS remains off for the time specified, |
| | | | remained off for the time specified, and | and the Turn On Delay is applied before the UPS is |
| | | | was then turned back on immediately. | turned back on. |
| 19 | USB | UPS Model | " | п |
| | USB | USB port on card | N.A. | Does not work with the SURTD UPS devices. |
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Customer support and warranty information is available at the APC Web site, www.apc.com.