



# 650-127<sup>Q&As</sup>

Cisco Connected Grid (Engineer) Knowledge Verification

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### QUESTION 1

Which statement about the CGR2010 is correct?

- A. The cooling system and the hard drive have moving parts.
- B. Only the cooling system has moving parts.
- C. Only the hard drive has moving parts.
- D. There are no CGR 2010 components that have moving parts.

Correct Answer: D

[http://www.cisco.com/en/US/prod/collateral/routers/ps10967/ps10977/data\\_sheet\\_c78\\_593509.html](http://www.cisco.com/en/US/prod/collateral/routers/ps10967/ps10977/data_sheet_c78_593509.html)

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### QUESTION 2

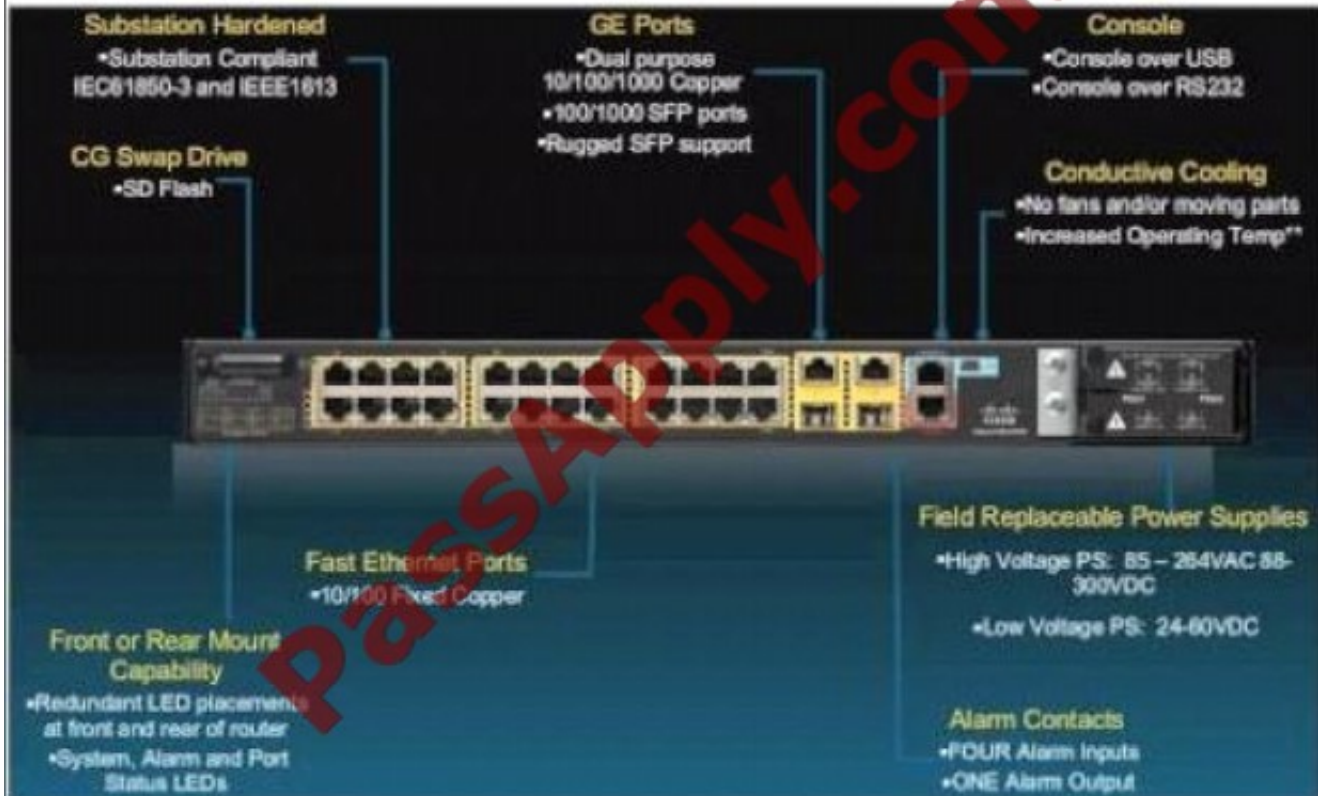
Which function is available on the Cisco Series 2500 Connected Grid Switch?

- A. EnergyWise
- B. inputs and outputs for alarms
- C. GRWIC modules
- D. StackWise

Correct Answer: B



## Cisco CGS 2500 Series CGS-2520-24TC Front Panel

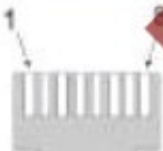




## Cisco CGS 2500 Series Alarm Contacts

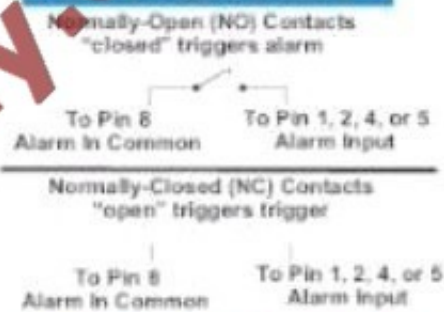
CGS 2520 supports:  
• Four External Alarm Inputs  
• One form C output

Alarm Connection	RJ-45 Pin
Alarm 1 Input	1
Alarm 2 Input	2
Alarm Output Common	3
Alarm 3 Input	4
Alarm 4 Input	5
Alarm Output N/C	6
Alarm Output N/O	7
Alarm Input Common	8

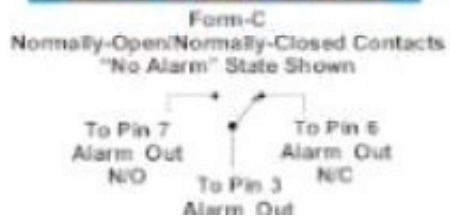


RJ-45 Alarm Connector on CGS 2520 Chassis

### Alarm Input Details



### Alarm Output Details



### QUESTION 3

What is the total support wattage on CGS-2520-16S-8PC on PoE when two power supplies are installed?

- A. 170 W
- B. 65 W
- C. 20 W
- D. 210 W

Correct Answer: A



## Power Over Ethernet Support

- PoE is supported only in CGS-2520-16S-8PC.
  - Architecture is similar to Catalyst 3750E family switches.
  - One Power Supply can support up to 65W and two Power Supplies support up to 170W of PoE.
  - Powering all the 8 FE ports will require 2 Power Supplies.
  - If one Power Supply fails, ports configured as "priority ports" will continue to receive power. The low priority PoE ports may not get PoE or lose power.
  - Enhanced PoE is supported – up to 20 Watts.
  - PoE+ will not be supported at FCS.
- 

### QUESTION 4

Which of the following is not a supported PDI Help Desk function?

- A. design and configuration support
- B. technical product
- C. implementation questions and support
- D. On site support
- E. RFP review

Correct Answer: D

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### QUESTION 5

By 2015, how big is the Smart Grid market estimated to be (Pike Research estimate)?

- A. 500 Billion Dollars



- B. 200 Billion Dollars
- C. 400 Billion Dollars
- D. 300 Billion Dollars
- E. 100 Billion Dollars

Correct Answer: B

The answer to this question can be find in the Cisco Training material, module 1, second slide, available through the Partner education connection.

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#### QUESTION 6

Which of the following models supports Power over Ethernet?

- A. CGS-2520-24TC
- B. CGS-2520-16S-8PC
- C. All CGS models
- D. None of the model supports POE

Correct Answer: B





## Power Over Ethernet Support

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  - Enhanced PoE is supported – up to 20 Watts.
  - PoE+ will not be supported at FCS.
- 

### QUESTION 7

Which of these describes the overall vision of the Cisco Smart Grid?

- A. Create a single infrastructure for Unified Communications from electrical generation plants to all primary and secondary substations.
- B. Integrate intelligent routing protocols into existing electrical grids.
- C. Sell existing Cisco IP-based products to be used from end-to-end in our utility customer smart grid deployments.
- D. Design and architect an end-to-end communications infrastructure integrated with the power.

Correct Answer: A

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### QUESTION 8

What are the two different types of console ports available? (Choose two.)

- A. Network



- B. USB
- C. RJ45
- D. Firewall

Correct Answer: BC

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#### QUESTION 9

Which product(s) are included in the first Cisco Smart Grid product offerings?

- A. all existing Cisco products
- B. Cisco Smart Grid 3000 ruggedized switching platform
- C. Cisco Connected Grid Router 2010 and Connected Grid Switch 2520
- D. ISR 2900 series and Catalyst 2960

Correct Answer: C

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#### QUESTION 10

Cisco recommends that you always start to populate the Cisco CGR 2010 from which slot?

- A. Slot 0
- B. Slot1
- C. Slot 2
- D. Slot 3

Correct Answer: A

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#### QUESTION 11

How many power supply slots are available on each Cisco CGR 2010 chassis?

- A. 1 slot
- B. 4 slots
- C. 2 slots
- D. No slots because all power is integrated over IP.

Correct Answer: C

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### QUESTION 12

What is Cisco's overall vision with respect to communications protocols?

- A. To design and architect end-to-end communications infrastructure using confusing communication protocols.
- B. To design and architect end-to-end communications infrastructure using foreign communication protocols.
- C. To design and architect end-to-end communications infrastructure using open standard communication protocols.
- D. To design and architect end-to-end communications infrastructure using proprietary communication protocols.

Correct Answer: C

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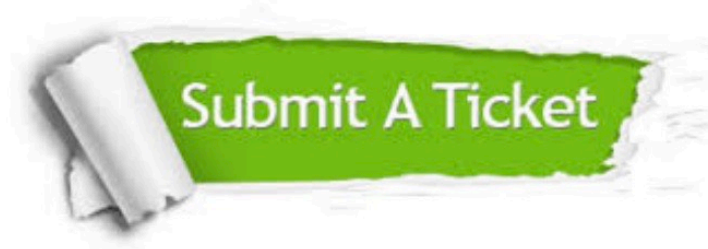
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