***How power over ethernet (PoE) works***

Central Power

Central Backup

Network Switch

Endspan device (POE SWITCH)

Power Injector (Midspan)

15.4 Watts

Your switching infrastructure doesn't support PoE. You have three WAPs to install on a tight budget. Which is the most cost-effective way to power the three WAPs?

* Use Midspan PoE injectors

***Exploring PoE Standards***

|  |  |
| --- | --- |
| 802.3af-2003 (PoE) | 15.4w |
| 802.3at-2009 poe+ | 30w |
| 802.3bt type 3 4ppoe | 60w |
| 802.3bt Type 4 | 100w |

Passive POE

Active PoE

Which of the following PoE standards allow OR require the use of all 4 pairs of wire in the Ethernet cable to deliver PoE? (Choose two)

* 802.3bt Type 3
* 802.3bt type 4

***PoE in Action on a Cisco Switch***

A Class 3 PoE device consumes \_\_\_\_\_ watts.

* .15.4

#> show power inline

#>power inline never