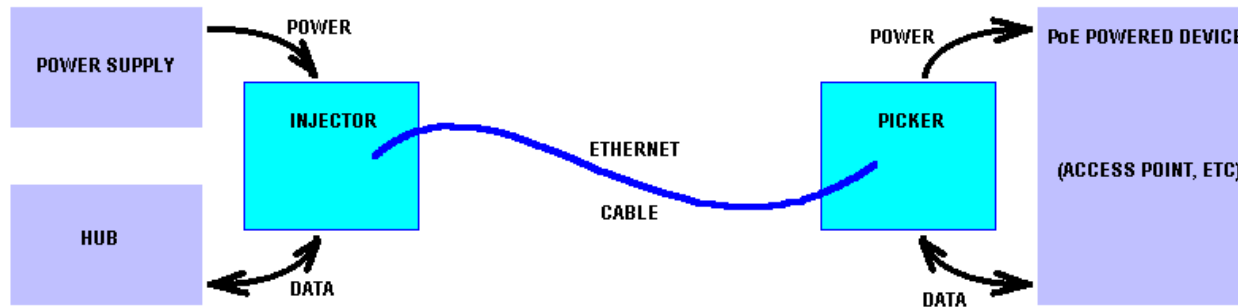


PoE (Power over Ethernet)

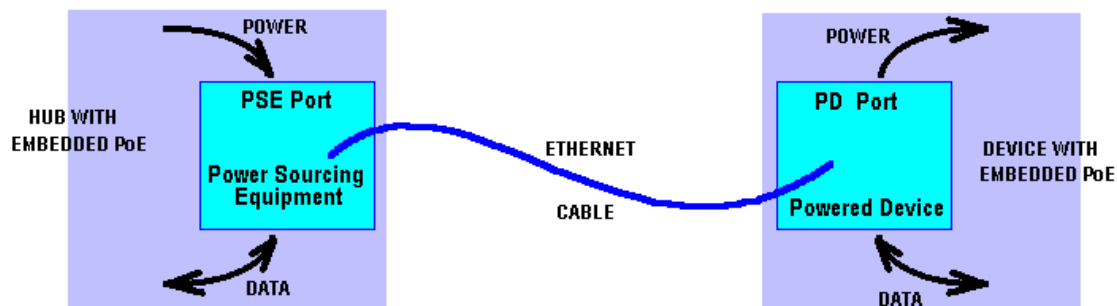
A PoE switch can provide 48 volts of direct current over two out of four pairs on an Ethernet cable, with maximum current of 400mA and maximum output power of 15.4W. IEEE has developed a new IEEE 802.3at standard, known as PoE+ to provide maximum output power of 30W.

Class	PD Power (W)	Note
0	0.44 to 12.95	Default
1	0.44 to 3.84	Optional
2	3.84 to 6.49	Optional
3	6.49 to 12.95	Optional
4	Future use	Future use

PoE

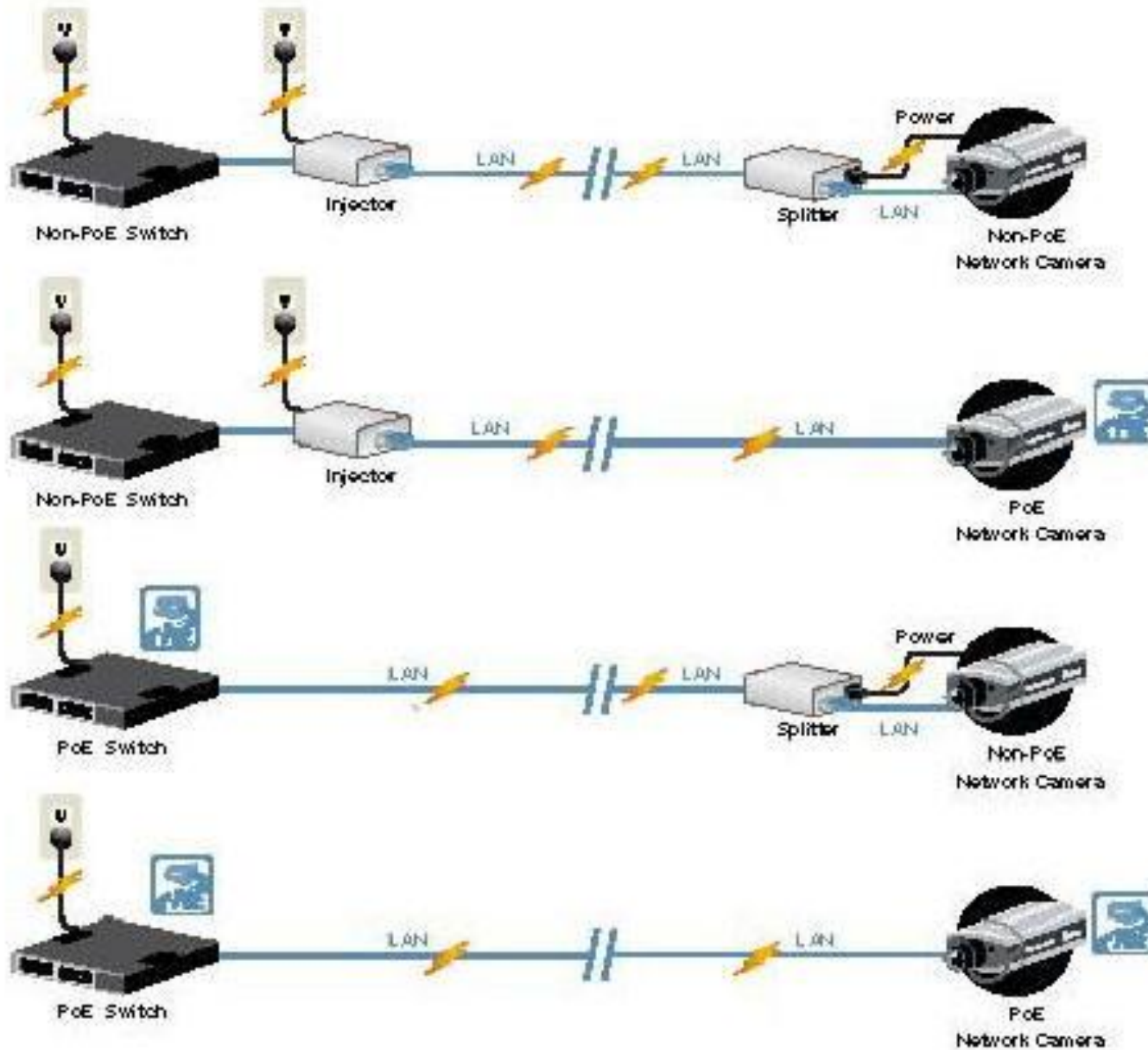


Adapting Devices for PoE using Power Injector and Power Picker



EMBEDDED PoE - New Standard for Factory Installed PoE

PoE - Приложения

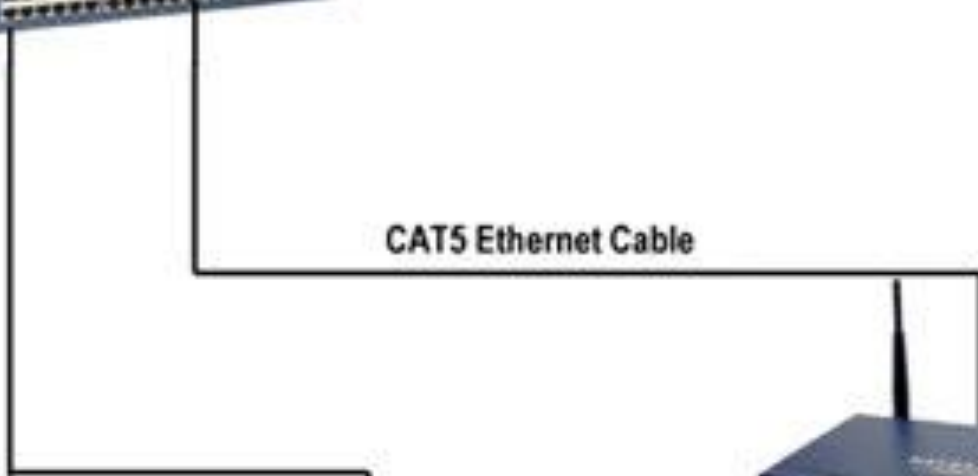


PoE - Приложения

FSM7326P Switch with PoE Support



CAT5 Ethernet Cable



WG302 ProSafe Access Point



VoIP Phones

РоЕ - Приложения

FSM726S Managed Switch



CAT5 Ethernet Cable


PowerDsine Certified



PowerDsine 6001 Single port Midspan



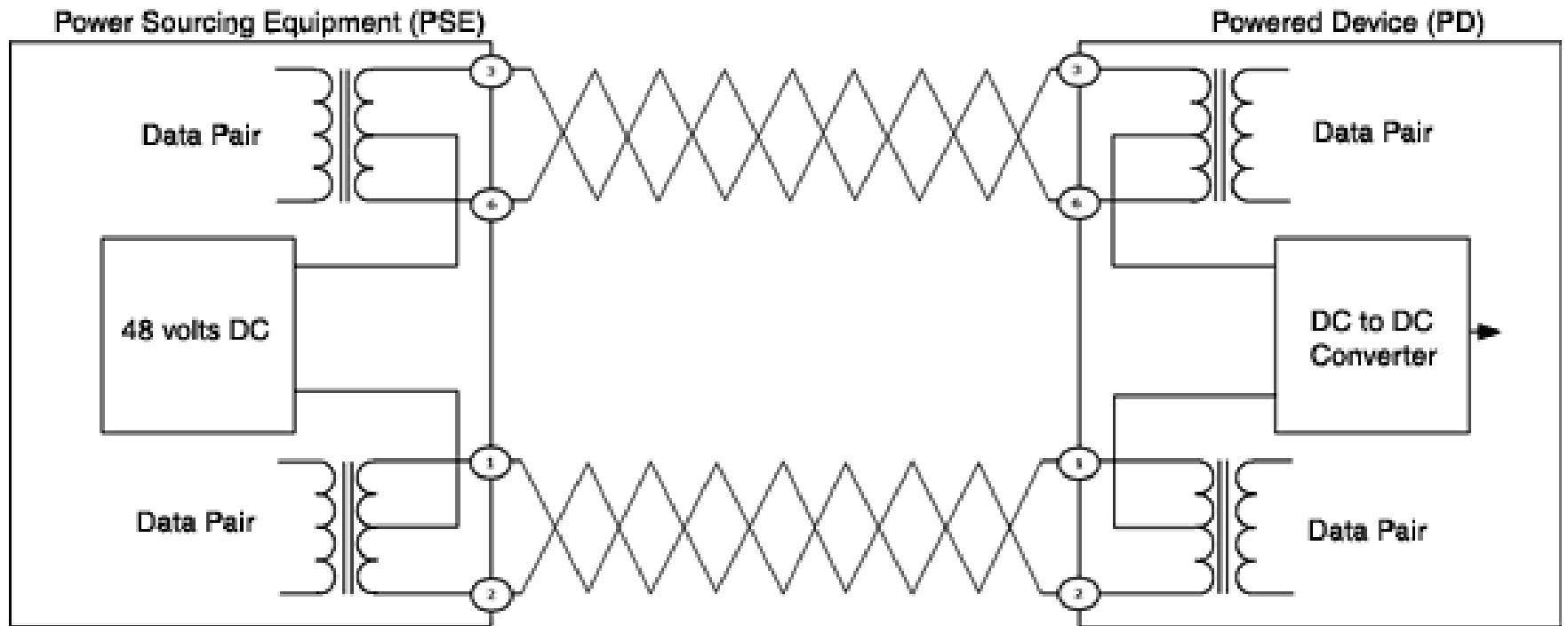
WG302 ProSafe Access Point



VoIP Phones

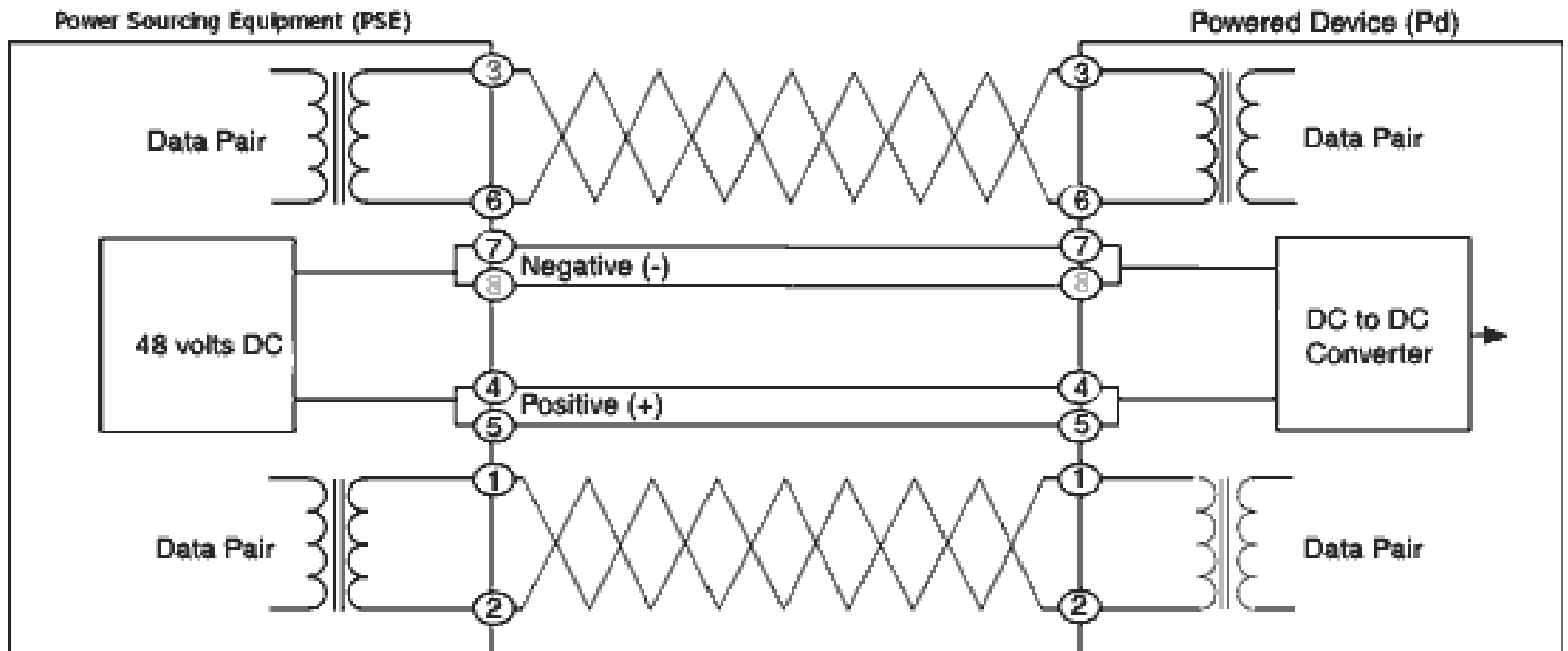
Реализация на PoE

Power over Ethernet Alternative A



Реализация на PoE

Power over Ethernet Alternative A



PoE – Power Over Ethernet: A relatively new technology that allows PoE-enabled Ethernet networked devices to receive power (as well as data) over existing CAT-5 Ethernet cable without the need to make modifications to it.

PD - Powered Device: A Ethernet device that receives power over Ethernet. It could be a PoE-enabled IP phone, a wireless access point, a serial device server or any other IP device that requires power.

PSE – Power Sourcing Equipment: The network PoE element that inserts power onto an Ethernet cable. It may be an *endspan* device, such as a PoE-enabled switch, or a *midspan* device located between the switch and the PD.

Midspan – A midspan device is a PSE that inserts power onto the Ethernet cable. It is situated between the LAN switch and the PD. Typically, midspan devices are added to existing networks to allow the use of PoE-enabled PDs.

Endspan – An endspan device is typically a switch that incorporates PoE capabilities. Endspan devices often are implemented when a new network is created, to avoid adding midspan devices as well as the switch.

IEEE 802.3af – An IEEE standard (ratified in June 2003) that defines the transmission of power over Ethernet infrastructure. Also called *Data Terminal Equipment (DTE) Power via Media Dependent Interface*.

