

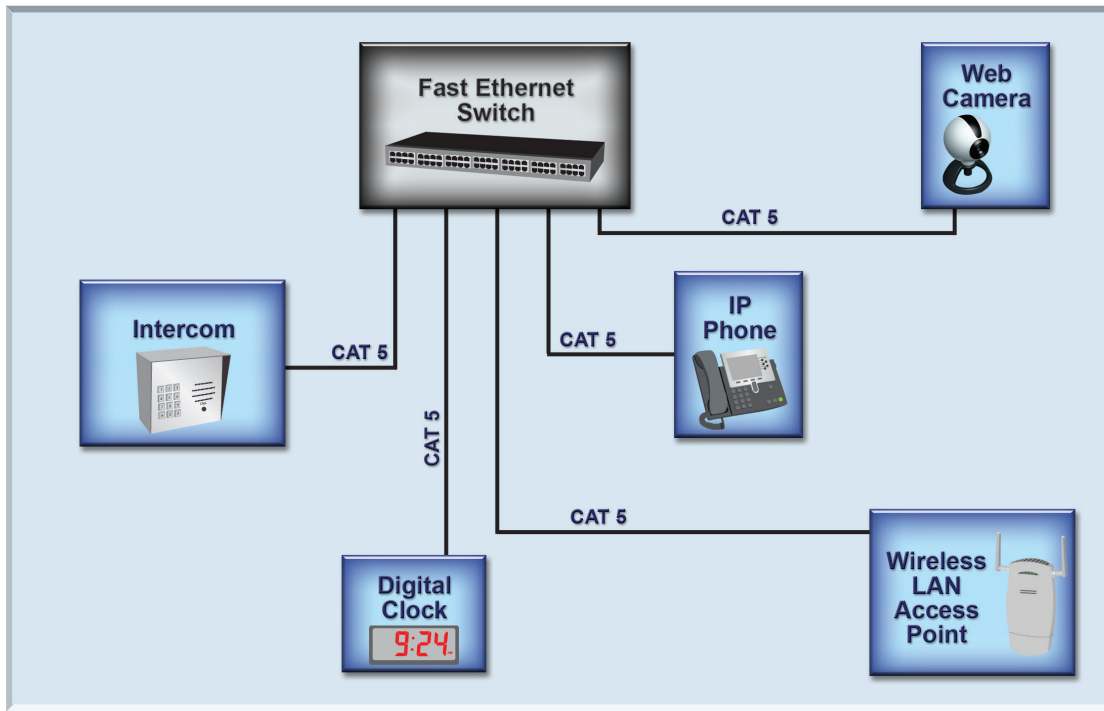
Power over Ethernet (PoE)



The emergence of the Power over Ethernet (PoE) market has fueled the rapid growth of peripheral Powered Devices (PDs) such as cameras, phones and network access points. Each one of these applications has unique size and performance requirements. Central has developed a broad range of devices, including Schottky bridge rectifiers, optimally geared to the size and electrical specifications required for these applications.

For more information visit: www.centrasemi.com/applications

Power over Ethernet (PoE) Topology



Applicable products for PoE Powered Devices (PDs):

• Small Signal Transistors



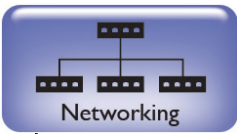
- CMUT3410: 1.0A, 25V Low $V_{CE(SAT)}$ NPN (SOT-523)
- CMUT7410: 1.0A, 25V Low $V_{CE(SAT)}$ PNP (SOT-523)
- CMLT3410: 1.0A, 25V Low $V_{CE(SAT)}$ Dual, NPN (SOT-563)
- CMLT7410: 1.0A, 25V Low $V_{CE(SAT)}$ Dual, PNP (SOT-563)

• Bridge Rectifiers (Full Wave)










- CBRHD-01: 0.5A, 100V (HD DIP)
- CBRHD-02: 0.5A, 200V (HD DIP)
- CBR1-D020S: 1.0A, 200V (SMDIP)

(Schottky Bridge Rectifiers located on next page)











• MOSFETs



-  CEDM7001: 100mA, 20V N-Channel (SOT-883L)
-  CEDM8001: 100mA, 20V P-Channel (SOT-883L)
-  CEDM8004: 450mA, 30V P-Channel (SOT-883L)
-  CMLDM7002A: 280mA, 60V Dual, N-Channel (SOT-563)
-  CMLDM8002A: 280mA, 50V Dual, P-Channel (SOT-563)
-  CMNDM7001: 100mA, 20V N-Channel (SOT-953)
-  CMNDM8001: 100mA, 20V P-Channel (SOT-953)











• Schottky Diodes



-  CMLSH05-4: 0.5A, 40V Low V_F (SOT-563)
-  CMLSH1-40: 1.0A, 40V (SOT-563)
-  CMSH2-100M: 2.0A, 100V (SMA)
-  CMASH-4: 200mA, 40V (SOD-923)
-  CMSH1-100: 1.0A, 100V (SMB)
-  CTLSH01-30: 100mA, 30V Low Leakage (TLM2D3D6)
-  CTLSH01-30L: 100mA, 30V Low V_F (TLM2D3D6)
-  CFSH01-30: 100mA, 30V (SOD-882L)




• Schottky Bridge Rectifiers



-  CBRHDSH1-100: 1.0A, 100V (HD DIP)
-  CBRHDSH2-100: 2.0A, 100V (HD DIP)
-  CBRDFSH1-40: 1.0A, 40V (BR DFN)
-  CBRDFSH1-60: 1.0A, 60V (BR DFN)
-  CBRDFSH1-100: 1.0A, 100V (BR DFN)
-  CBRDFSH2-40: 2.0A, 40V (BR DFN)
-  CBRDFSH2-60: 2.0A, 60V (BR DFN)
-  CBRDFSH2-100: 2.0A, 100V (BR DFN)
-  CBRDFSH3-40: 3.0A, 40V (BR DFN)
-  CBRDFSH3-60: 3.0A, 60V (BR DFN)

• Switching Diodes



-  CMHD4448: 250mA, 100V (SOD-123)
-  CMOD4448: 250mA, 100V (SOD-523)
-  CMLD4448DOG: 250mA, 120V Dual, Opposing (SOD-523)

• Uni-polar Transient Voltage Suppressors



-  CMF90A: 200W, 90V (SOD-123F)


• Bi-Directional Transient Voltage Suppressors



-  1SMB90CA: 600W, 90V (SMB)

• TVS/Zener Array



-  CMNTVS12V: 18W, 12V Low Capacitance (SOT-953)

For more information on Central's products and potential solutions:

Call us at: **1.631.435.1110**

Or view online: www.centrasemi.com

Just Ask