

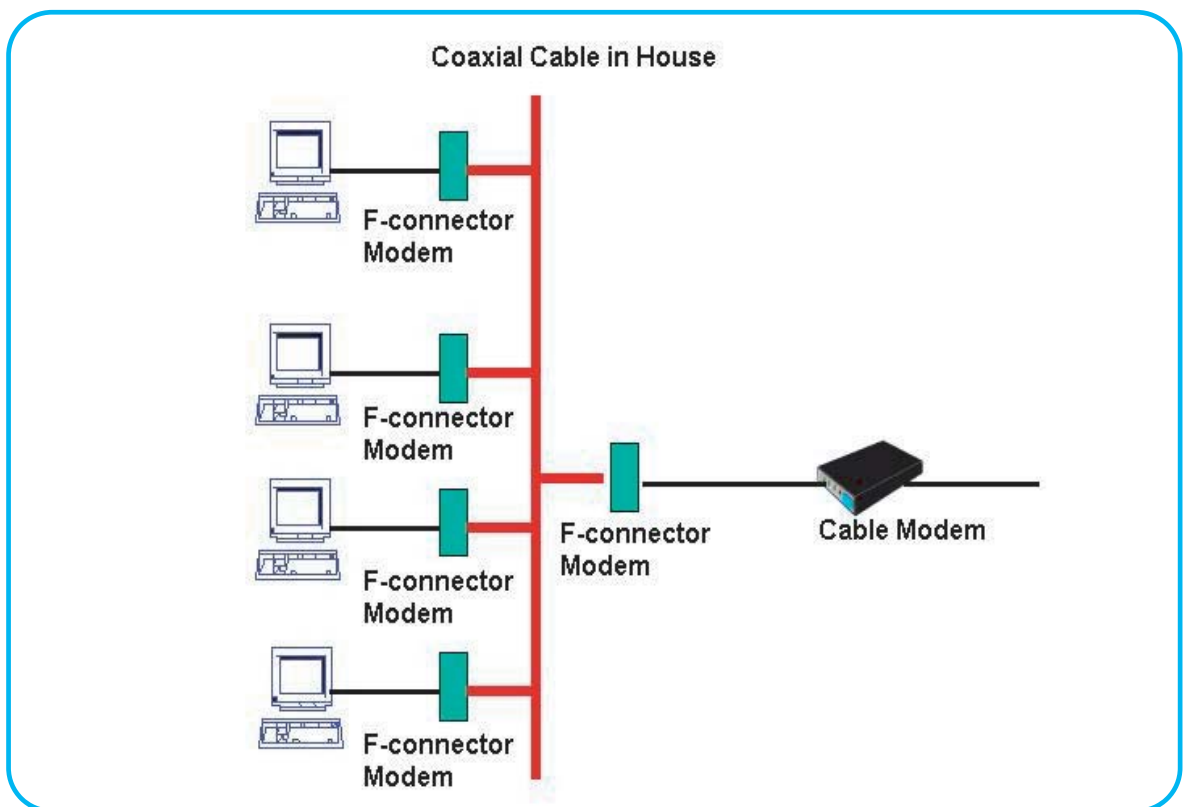
In-House 200Mbps F-Connector Ethernet Modem



For the residential environment deployed with coaxial cable, the coaxial cable can be used as the medium of home network just like that of power line being used as the medium of home network. For latter case, the power line modem is required as the bridge to connect the PC to the PLC home LAN. Likewise, for the case of residential environment with coaxial cable being deployed, a F-connector Ethernet modem is required as the bridge to connect the PC to the coaxial cable home LAN.

With robust design of low-pass filter and state-of-art DS2 technology of power line communication, it can enable 200Mbps line rate running over coaxial cable in house by adapting 75 Ohms F type coaxial connector. From the system application configuration shown below consumer can perform the Internet access through the coaxial cable being deployed inside house if the in-house 200Mbps F-connector Ethernet modem is used to connect PCs and cable modem.

System Application Configuration



Hardware Specification

Standards	CE, FCC and UL
Compliance in PLC	RoHS (Note) IEEE 802.3, 802.3u, 802.1d, 802.1q
Data Rate	Ethernet : 10/100Mbps Physical layer : 200Mbps
Physical	96 x 65 x 37 mm 188 g
Electric	Input : 100-240VAC, 50/60Hz Power consumption : 5W
Environment	Operation : 0° C – 40° C Storage : 0° C – 70° C Humidity: 0% - 90%
Connector	AC plug (Note) RJ-45 x 1 75 Ohms F-type coaxial connector
LED	Power PLC Link/Activity Ethernet Link/Activity

Note : RoHS compliant modem will be available in Q3 2006
The AC plug can be customized

Software Specification

Protocol support of PLC	IEEE 802.1d, 802.1p, 802.1q, 802.3, 802.3u
Security of PLC	3DES 168 bits
OS support	Window 98, ME, 2000, XP, MAC OS X
Management of PLC	Web-based management at layer 2
Others	Plug and play, auto-configuration Firmware upgrade by TFTP



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