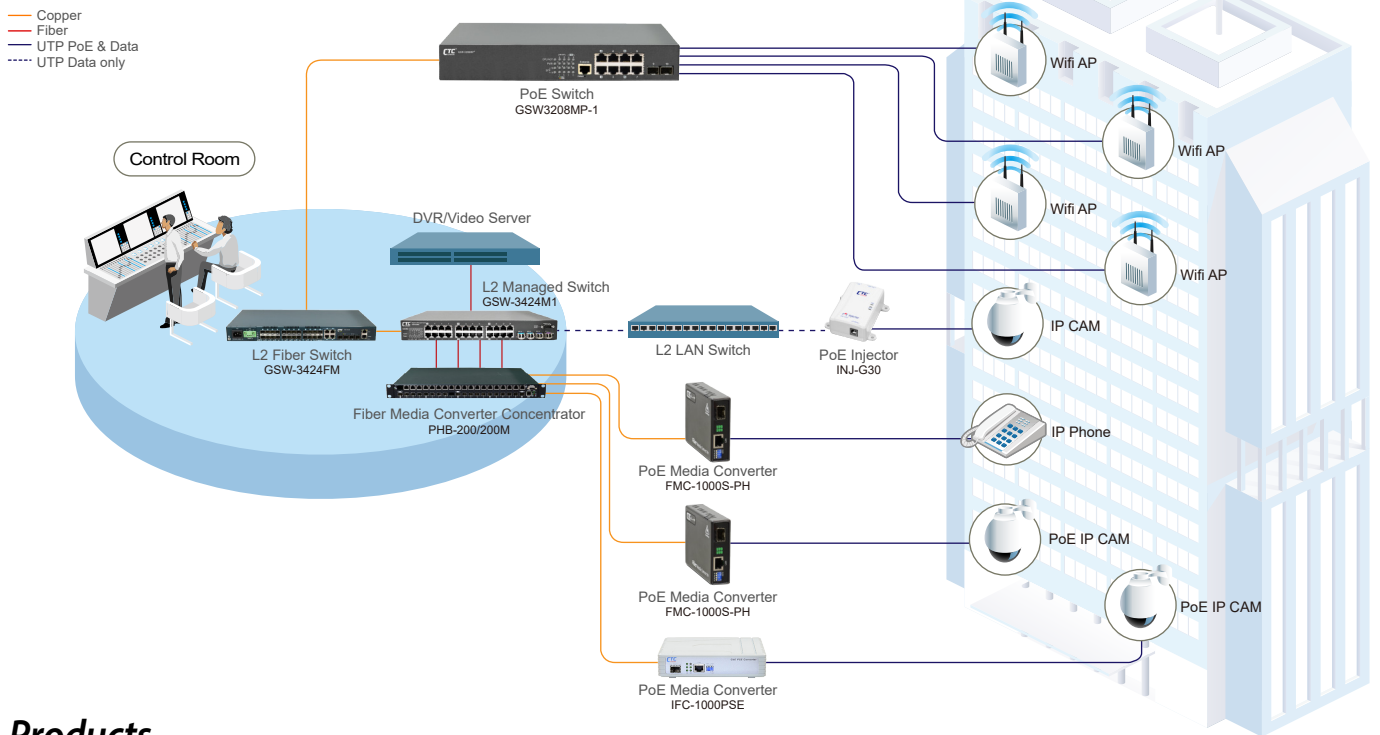The concept of modernized enterprise office is heavily leveraged high speed network environment more and more. It becomes the challenge of the IT department of enterprise for the office layout. It's not only for artistic and orderly purpose but also the centralized management and IP based structured cabling to be considered. There are more factors to be concerned for the office layout such as security, mobility, simplified asset management and energy saving. In some large building, the traditionally UTP cooper cabling have been not able to fulfill the requirements for the IT administrators to well organize the overall office layout.

In the following application diagram, the CTC Union's PoE switch family is extended the distance to connect with the major fiber switch without the 100m distance limitation of UTP copper cabling as well as powering the nearby devices such as PoE IP CAM or PoE WiFi AP. Even the legacy cooper based Ethernet switch had been deployed, CTC also has the relatively PoE/PSE based media converter and PoE injector solution to help the IT employees of enterprise achieve the office automation mission by minimizing the expenditure.

Application

Copper
Fiber
UTP PoE & Data
UTP Data only

PoE Switch
GSW3208MP-1

Control Room

DVR/Video Server

L2 Managed Switch
GSW-3424M1

L2 Fiber Switch
GSW-3424FM

L2 LAN Switch

PoE Injector
INJ-G30

Fiber Media Converter Concentrator
PHB-200/200M

PoE Media Converter
FMC-1000S-PH

PoE Media Converter
FMC-1000S-PH

PoE Media Converter
IFC-1000PSE

Wifi AP
Wifi AP
Wifi AP
Wifi AP
IP CAM
IP Phone
PoE IP CAM
PoE IP CAM

Products

PoE Switch
8x GbE/RJ45 + 2x 1G/SFP with 8x PoE$^+$ (180W)
GSW3208MP-1

PoE Switch
24x GbE/RJ45+2x 1GbE Combo with 24x PoE$^+$ (450W)
GSW-3224MP

PoE Media Converter
10/100/1000Base-T to 1000Base-X SFP with PoE$^+$ (PSE) Fiber Converter
FMC-1000S-PH

PoE Media Converter
100/1000Base-T to 1000Base-X SFP PoE PSE
IFC-1000PSE

PoE Injector
GbE IEEE802.3af/at High Power
INJ-G30

SFP Patching Hub
20x 100/1000Base-T to 20x 100/1000Base-X FE/GbE Media Converter Concentrator
PHB-200/PHB-200M

• The specification and pictures are subject to change without notice.