Mark Shaw 6-11-2013



(C-C1)

Network Design: Converged-1

Converged WAN using a single broadband circuit. Converged LAN using managed switch. Voice and data share the same network. Supports single Ethernet drop shared by an IP Phone and a PC.

SOLUTION DETAILS

- Converged WAN, Converged LAN
- No need for VLANs or a managed switch
- No customer maintained firewall
- · Edgemarc provides security for IP Phones & PCs

DEPLOYMENT INFORMATION

- EdgeMarc provides NAT, Firewall and DHCP to phones & all network devices
- EdgeMarc is assigned a single IP address from the customer's public IP block
- · Shared or separate Ethernet drops to each PC & IP Phone

LIMITATIONS & RISKS

- All devices in same broadcast domain
- Phones can be subject to LAN originated traffic floods, impacting voice quality

"Off-Net circuits do not provide voice traffic prioritization. While we do not expect this to cause any issues, if call quality problems arise, we may OFF-NET recommend Purchasing a MegaPath On-Net Circuit ." BROADBAND MegaPath also Requires a static IP address for use with our Voice Gateway. **FIOS** fiber Edgewater EdgeMarc 4552 ubnt AirRouter Cisco switch Wireless Access Server Point Cisco ATA Fax VOIP File room Copier Printer Fax Typical Phone and Computer Desk cell tower - aka: Verizon network extender Rxxx Insurance

(Note: We cannot use PPPoE or NAT connectivity, port 80 must be open, and your cable cannot have an ALG enabled).

STATIC IP: 71.122.82. XX SUBNET MASK: 255.255.255.0 GATEWAY: 71.122.82. XX

DNS Servers: 68.238.96.12 68.238.112.12