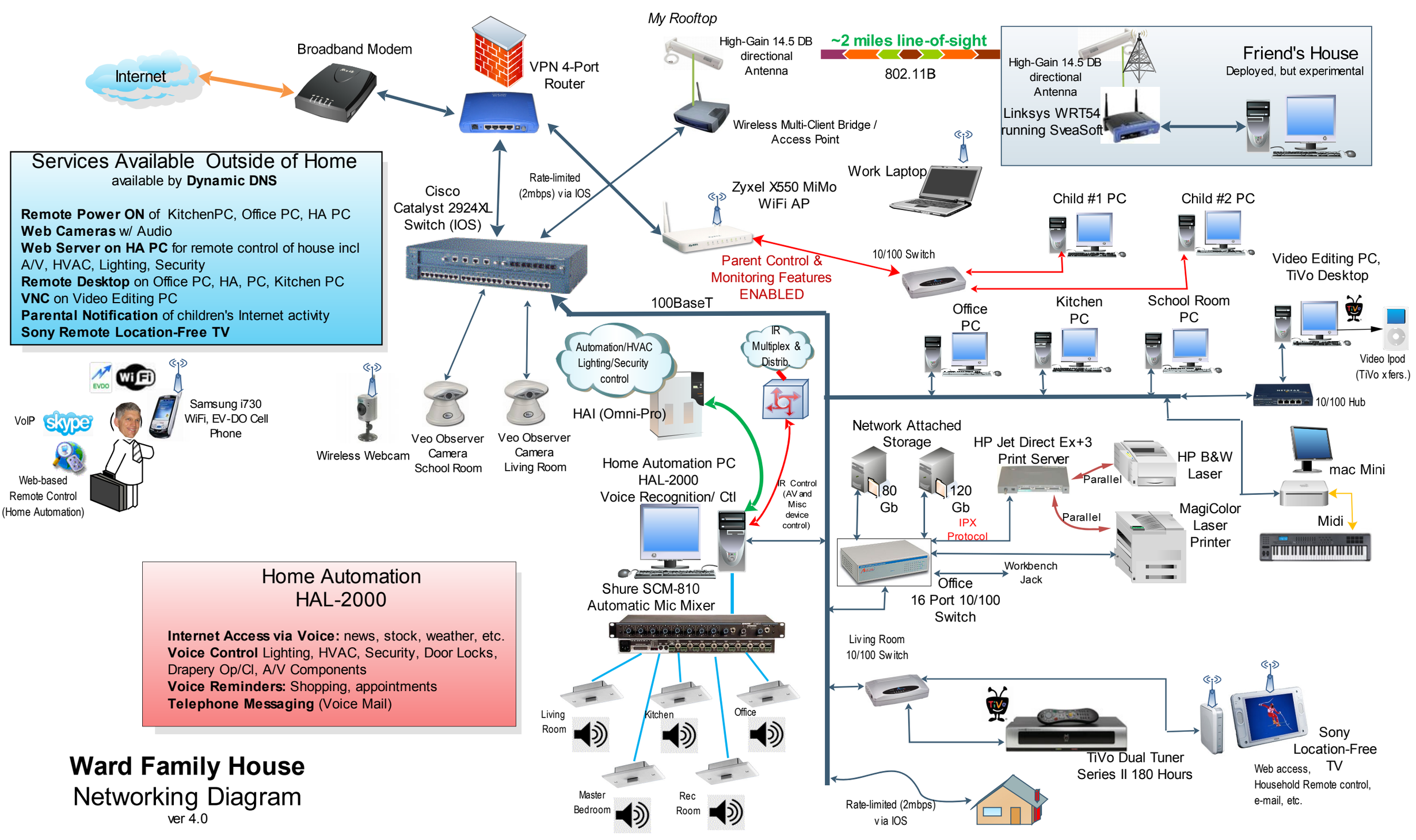
My Rooftop
Internet
Broadband Modem
VPN 4-Port Router
High-Gain 14.5 DB directional Antenna
~2 miles line-of-sight
802.11B
Friend's House
Deployed, but experimental
High-Gain 14.5 DB directional Antenna
Linksys WRT54 running SveaSoft
Wireless Multi-Client Bridge / Access Point
Work Laptop
Zyxel X550 MiMo WiFi AP
Rate-limited (2mbps) via IOS
Cisco Catalyst 2924XL Switch (IOS)
Child #1 PC
Child #2 PC
10/100 Switch
Parent Control & Monitoring Features ENABLED
100BaseT
Video Editing PC, TiVo Desktop
Office PC
Kitchen PC
School Room PC
Video Ipod (TiVo xfers.)
10/100 Hub
Services Available Outside of Home
available by Dynamic DNS
Remote Power ON of KitchenPC, Office PC, HA PC
Web Cameras w/ Audio
Web Server on HA PC for remote control of house incl A/V, HVAC, Lighting, Security
Remote Desktop on Office PC, HA, PC, Kitchen PC
VNC on Video Editing PC
Parental Notification of children's Internet activity
Sony Remote Location-Free TV
VoIP
Samsung i730 WiFi, EV-DO Cell Phone
Web-based Remote Control (Home Automation)
Wireless Webcam
Veo Observer Camera School Room
Veo Observer Camera Living Room
Automation/HVAC Lighting/Security control
HAI (Omni-Pro)
IR Multiplex & Distrib.
Home Automation PC HAL-2000 Voice Recognition/ Ctl
IR Control (AV and Misc device control)
Network Attached Storage
80 Gb
120 Gb
IPX Protocol
HP Jet Direct Ex+3 Print Server
Parallel
HP B&W Laser
Parallel
MagiColor Laser Printer
mac Mini
Midi
Office 16 Port 10/100 Switch
Workbench Jack
Shure SCM-810 Automatic Mic Mixer
Living Room
Kitchen
Office
Master Bedroom
Rec Room
Home Automation HAL-2000
Internet Access via Voice: news, stock, weather, etc.
Voice Control Lighting, HVAC, Security, Door Locks, Drapery Op/Cl, A/V Components
Voice Reminders: Shopping, appointments
Telephone Messaging (Voice Mail)
Living Room 10/100 Switch
TiVo Dual Tuner Series II 180 Hours
Sony Location-Free TV
Web access, Household Remote control, e-mail, etc.
Rate-limited (2mbps) via IOS
Ward Family House
Networking Diagram
ver 4.0