

S900 - iManager Communications Server Appliance

Capacity

- 20 iTurret Devices
- 800 Media Streams
- Single Site Support
- Expansion possible subject to media stream usage

Call Types

- Telephony
- Intercom
- Hoot 'n' Holler
- Private Wires
 - ARD (Private Wire Automatic Ring Down)
 - MRD (Manual Ring Down)
- Voice Nets
- Remote Working
- Line Sharing

Server Architecture

- iManager Communication Server (iCS)
 - Linux based 64 bit operating system
 - Integrated SIP server
 - Apache web server
 - Net SNMP Client

Licences

- iCS
 - iCS Base Licence (iCS Base) x1
 - iCS Trunk Licence (iCS Trk) x1
 - iCS User Account Licence (iCS UAC) x20
 - iCS Shared Line Standard (iCS SLS) x20

Network Requirements

- Network 100BASE-TX (full duplex)
- IP addressing: Dynamic or Static
- Voice LAN: Multicast network utilisation
- IGMP and supporting SbrTP
- Other supported network protocols: Ethernet, IPv4, DHCP, TCP/IP, DNS & HTTP

Connectivity

- SIP - RFC 3261

VoIP Media

- Supported Codec types on the WAN: G.711 PCM 3.4KHZ A-law/U-law
- Multicast Control Channel (MCC)
- Speakerbus Trader Voice on LAN: Speakerbus Real Time Protocol (SbRTP) enhanced- 7KHZ voice bandwidth
- Typical latency over LAN 6ms (using 1ms packet sizes)
- Max Packet Loss on the LAN 5%
- Bandwidth optimisation techniques: VAD (Voice Activity Detection)
- Diffserv (RFC 2474) -Type of service field configurable

Chassis

- 1U Rack mount Server (Height 43mm, Width 437mm, Depth 503mm)
- Colour - Black
- Gross Weight - 13.65kg

Processor/Memory/Hard Disk

- Intel® Xeon® E5-2620 6 Core 2.0Ghz , 15M Cache, 1333Mhz FSBO9400
- 4GB Memory DDR3 1333Mhz
- 2 x 500Gb SATA Hard Disk using RAID 1

Power Requirements

- 400 Watt Redundant PSU
- Voltage 100 - 240VAC nominal
- Frequency 50 - 60Hz AC

Environmental

- Operating temperature 10°C - 35°C (50°F - 95°F)
- Relative humidity 8% to 90%, non condensing
- RoHS Compliant

