

CH-3000

Internet Access Concentrator

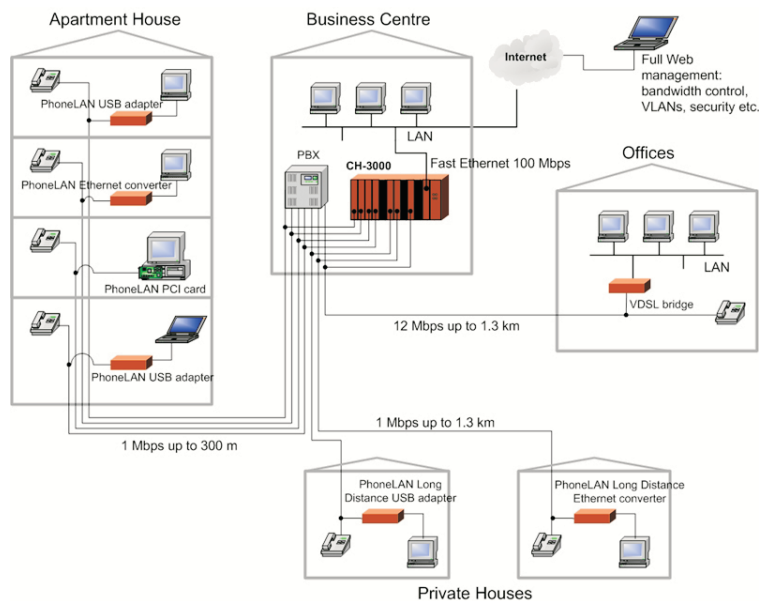
Description

The Internet Access Concentrator is a reliable and powerful product for building LANs (Local Area Network) over existing operating telephone network.

With the 2.4Gbps universal backplane design, it could accommodate different kinds of technologies, including 1Mbps PhoneLAN, EoVDSL (Ethernet over VDSL) and 10/100Mbps Fast Ethernet. The EoVDSL module supports the symmetric data bandwidth up to 24 Mbps (12 Mbps upstream, 12 Mbps downstream) and transmission distance up to 1.3 km based on different phone line quality; the PhoneLAN and PhoneLAN long distance modules provide the 1Mbps transmission up to 300 m and 1300 m. It is ideal for providing internet access, video-on-demand and multi-media services to apartment, hotel and campus environment. PhoneLAN and EoVDSL provide the best advantage to allow voice and data signal transmit on the same telephone wires without interference between each other. Therefore, it is not necessary to pull new wires for the building network setup.

With the rich management functions supported, system administrator could remote manage the device through SNMP, Web Browser or Telnet with much more efficiency. Some other system features also provide some good tools to control the network security, like virtual LAN and port intrusion control.

Application



Features

- ✓ Supports 2.4Gbps universal switching backplane
- ✓ Supports 12 universal slots for different line modules
- ✓ Supports hot swappable capability
- ✓ Two 10/100 Mbps ports, compliant with IEEE802.3 and IEEE802.3u standards
- ✓ Supports one RS-232 port for console management, SNMP MIB I and II, embedded Web function, Telnet function
- ✓ Internal redundant power supply (100 or 240VAC) 4-port VDSL module supports built-in POTS/ISDN splitter, symmetric 12 Mbps data bandwidth, distance up to 1.3 km, port based VLAN and bandwidth control functions,
- ✓ 8-port PhoneLAN module, compliant with HomePNA v1.0/v1.1, supports symmetric 1 Mbps data bandwidth at distance up to 300 m, port based VLAN functions
- ✓ 8-port PhoneLAN long distance module supports symmetric 1 Mbps data bandwidth at distance up to 1.3 km, port based VLAN functions

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Product Specifications

CH-3000S (System Module)

Standard	IEEE802.3, 10BASE-T IEEE802.3u, 100BASE-TX
Interface switching ports	RJ-45x2, 10/100 Fast Ethernet
Cable Connections	RJ-45(10Base-T):UTP Category 3,4,5 RJ-45(100Base-TX): UTP Category 5
Network Data Rate (10Mbps,100Mbps)	Auto-negotiation
Transmission Mode duplex,Half-duplex)	Auto-negotiation(Full-
LED indications	System, Powerx1, Postx1, Link/ACT, FDX/COL
System Buffer Memory	2M byte
MAC Address Table	8K
Filtering/Forwarding Rate	10Mbps:
14880pps/14880pps	100Mbps:
148800pps/148800pps	
Emission	FCC Class A, CE
Operating Temperature	00 ~ 500C (320 ~ 1220F)
Operating Humidity	10% - 90%

CH-3008H (8 ports 1Mbps PhoneLAN line Module)

Standard	HomePNA v1.0/v1.1
Interface	RJ-11x8, 1Mbps PhoneLAN
Cable Connections	RJ-11, category 5 shield cable. AWG 24,AWG 26
Network Data Rate	Up/Down stream,1Mbps
Transmission Mode	1Mbps
LED indications	LINKx8 ACTx8 Powerx1
System Buffer Memory	2Mbit, per module
MAC Address Table	4K, per module
Filtering/Forwarding Rate	1488 pps
Emission	FCC Class A, CE
Operating Temperature	00 ~ 500C (320 ~ 1220F)

Operating Humidity 10% - 90%

CH-3004V (4 ports Ethernet over VDSL line module)

Interface Ethernet	RJ-11x4, 10 Mbps V-
Cable Connections	RJ-11, category 5 shield cable. AWG 24,AWG 26
Network Data Rate	Up/Down stream,10Mbps/10Mbps
Transmission Mode	10Mbps
LED indications	Powerx1 Postx1 Linkx4 Actx4
System Buffer Memory	1Kbit, per port
MAC Address Table	4K, per module
Filtering/Forwarding Rate	14880 pps
Emission	FCC Class A, CE
Operating Temperature	00 ~ 500C (320 ~ 1220F)
Operating Humidity	10% - 90%

CH-3008HL (8 ports 1Mbps PhoneLAN Long distance Module)

Interface	RJ-11x8, 1Mbps PhoneLAN
Cable Connections	RJ-11, category 5 shield cable. AWG 24,AWG 26
Network Data Rate	Up/Down stream,1Mbps
Transmission Mode	1Mbps
LED indications	LINKx8 ACTx8 Powerx1
System Buffer Memory	2Mbit, per module
MAC Address Table	4K, per module
Filtering/Forwarding Rate	1488 pps
Emission	FCC Class A, CE
Operating Temperature	00 ~ 500C (320 ~ 1220F)
Operating Humidity	10% - 90%

