



Model #: LNK-CH-01



Model #: LNK-CH-02

Wireless Inside. Made Simple.

Kaval's unique LinkNet Convergence Platform is a flexible, practical and scalable in-building wireless coverage system that makes it simple to simultaneously extend various wireless services and protocols into areas macro networks simply can't reach. It is the only platform you will ever need now or in the future.

Designed to deliver cost-effective, reliable coverage, this single or multi-channel modular system is an ideal solution for medium to large, high traffic coverage areas where high performance, flexibility and scalability are key. Each platform consists of a 19" EIA rack mount chassis, card-cage, service modules, power supply, and an optional LinkNet Gateway Module. LinkNet offers two distinctive card-cage model options - LNK-CH-01 and LNK-CH-02.

The LinkNet Model LNK-CH-01 is a single card-cage that can hold up to seven discrete service modules - two service modules are required per channel. For smaller applications, the LinkNet Model LNK-CH-02 comes with a built-in power supply and will hold up to two service modules. Both models allow extra card-cages to be cascaded via an expansion cable so you can simply add the service modules or channels you need, as you need them, to keep pace with new technology or changes in user demand. *It's that simple.*

Features & Benefits

Installation & Service Features All LinkNet Service Modules are 'plug-and-play/unplug-and-remove' to facilitate ease of installation and maintenance.

Diagnostic Features Each LinkNet Service Module automatically performs a self-diagnostic check when inserted into the chassis. As well, all major fault conditions are constantly monitored, such as:

Frequency synchronization

Primary power failure

Thermal management

Over-current/under-current

Service Module Configuration The LinkNet Convergence Platform can be configured with broadband and narrowband LinkNet Service Modules for multiple bands and services to provide ultimate flexibility.

Highly Scalable The LinkNet Convergence Platform's modular design allows for future scalability easily and with minimal disruptions to service through the following features:

Plug-and-play/unplug-and-remove LinkNet Service Modules

Additional chassis can be "daisy chained" for expansion

InView™ Management System Option* This advanced network monitoring and management system offers 24-hour remote visibility and control of all Kaval active equipment. It interfaces with the LinkNet Gateway Module to provide diagnostic information remotely on a server.

LinkNet™ Gateway Module Option For use in the LinkNet Convergence Platform, this module acts as a hub for collecting and storing event information on all active components within the in-building wireless system. It performs the following tasks:

Stores individual LinkNet Service Module configuration

Automatically reconfigures LinkNet Service Module replacement

Forwards event information to the InView Management System

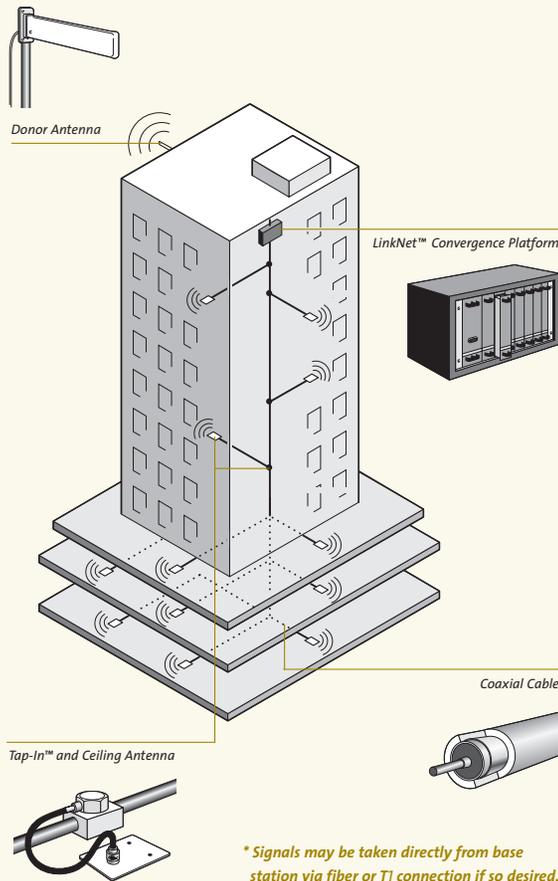
Housing Option** The LinkNet Convergence Platform is available in a rugged wall mount cabinet option, making it suitable for the most demanding indoor and outdoor environments.

* LinkNet Gateway Module option required.

** This option is pending on application needs and wireless service requirements. Please contact your Kaval representative for more details.

Product Deployment

Signals are received via an off air donor antenna located on the exterior of the building, from a nearby macro cell site.* The LinkNet Convergence Platform converges and amplifies signals which are then distributed to each floor via coaxial cable. Kaval's patented Tap-In signal taps and a series of ceiling mounted antennas provide balanced coverage throughout the building.



Specifications

Card-Cage - LNK-CH-01

Description

Basic Construction	19" Rack based.
Card-Cage Features	Each Card-Cage may contain up to 7 Service Modules without a Gateway Module, or up to 5 Service Modules with a Gateway Module. Modules inserted into the Card-Cage are auto-identified as to type, and which card slot they are in. Card-Cages are identified by a rear-panel switch setting (0-15).
Card-Cage Connections	DB-15 Connector provides for extra Card-Cages to be cascaded via an Expansion cable. Up to 15 cables can be used to connect a maximum of 16 Card-Cages for a total system capacity of 110 Service Modules without optional Gateway Module (only one Gateway Module is required per system). The connector also provides a common Fault Relay.
Dimensions	Standard 19" Rack Mount, 6U (10.5") High, 14" Deep Wall Mount Cabinet Option: 23.5" W x 30" H x 23.1" D
Operating Temperature Range	-10°C to +50°C
Operating Humidity	10 to 90% RH, Non-Condensing

Power Supply - LNK-PS400A

Description

Card-Cage Power Supply Module	Right-most Module supplied with the LNK-CH-01 Card-Cage. Separate Power Supply Module required per Card-Cage. Rated at 400 Watts, providing +12V and +28V to the Modules. Requires 120/240 VAC 50/60 Hz.
Card-Cage Battery Backup (Optional)	Optionally may provide a Battery Backup Operation using two external 12V sealed lead acid Batteries, and an optional Kaval Battery Cable.
Dimensions	Used in LNK-CH-01 only, the dimensions of the Power Supply are 4" W x 10.5" H x 14" D.
Operating Temperature Range	-10°C to +50°C
Operating Humidity	10 to 90% RH, Non-Condensing

Card-Cage - LNK-CH-02

Description

Basic Construction	19" Rack based.
Card-Cage Features	Each Card-Cage may contain 1 or 2 Service Modules. Modules inserted into the Card-Cage are auto-identified as to type, and which card slot they are in. Card-Cages are identified by a rear-panel switch setting (0-15). The unit comes with a built-in Power Supply.
Card-Cage Connections	DB-15 Connector provides for extra Card-Cages to be cascaded via an expansion cable. The connector also provides a common Fault Relay.
Dimensions	Standard 19" Rack Mount, 3U (5.25") High, 14" Deep Wall Mount Cabinet Option: 23.5" W x 30" H x 23.1" D
Operating Temperature Range	-10°C to +50°C
Operating Humidity	10 to 90% RH, Non-Condensing

Specifications are subject to change.

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