



Wireless Inside. Made Manageable.

Kaval's LinkNet Gateway Module is a self-contained, alarm monitoring and control module for use in the LinkNet Convergence Platform. It is specifically designed to store, download, alter and monitor operating parameters and fault conditions on all active equipment installed in a LinkNet system.

Through a local RS-232 connection, this plug-in module allows technicians to quickly and easily configure, monitor and maintain equipment-operating parameters on site with the use of a laptop. For more advanced real-time maintenance, the LinkNet Gateway Module comes equipped with a modem interface for use with Kaval's InView Management System* - an advanced network monitoring and management system that offers administrators and/or service technicians 24 hour remote visibility and control of a Kaval designed in-building wireless communication system(s).

The gateway to complete manageability.

Features & Benefits

Installation & Service Features The LinkNet Gateway Module is a self-contained, 'plug-in' module to facilitate ease of installation and maintenance.

Service Module Configuration The LinkNet Gateway Module can be used to easily program and effectively monitor and control the independent service modules and other active equipment in a LinkNet system. A single Gateway Module can be used to run up to 110 LinkNet Service Modules in a single, integrated system, and will perform the following functions:

Stores individual equipment configurations

Automatically reconfigures equipment replacement

Forwards event information to the InView Management System

Diagnostic Features The LinkNet Gateway Module will monitor and report fault conditions, such as:

Reduced Transmitter Power Output

Frequency Synchronization

Primary Power Failure

Thermal Management

Over-current/Under-current

RS 232 Serial Interface The LinkNet Gateway Module's local console can be accessed through its RS-232 serial port using a standard null modem cable and Notebook PC. In turn, technicians can quickly and easily set or alter operating parameters on all active equipment at time of installation or during service calls.

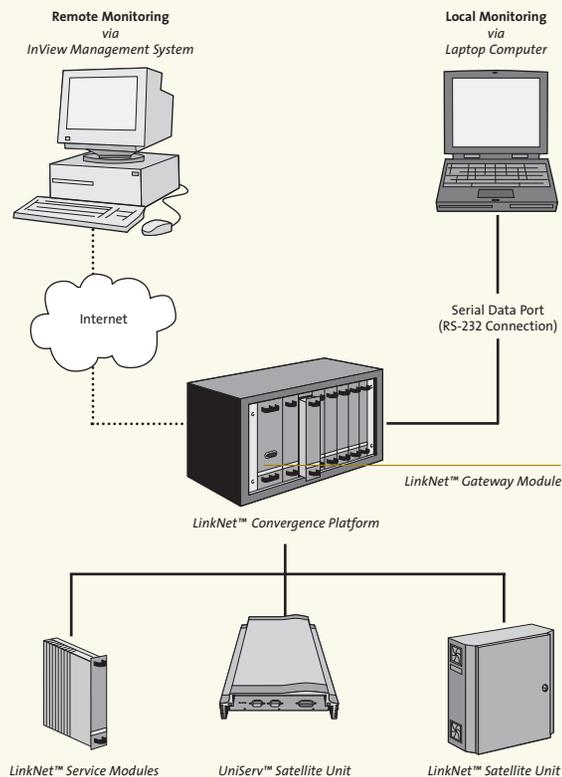
TAP Paging Feature This optional feature offers administrators or service technicians real-time event notification pages (via Telocator Alphanumeric Protocol) indicating the location and description of a fault or fault-correction to enable system problems to be remedied immediately.

***InView™ Management System** This optional network monitoring and management system offers administrators and/or service technicians 24 hour remote visibility and control of all active equipment in a Kaval designed in-building wireless communication network. Interfacing with the LinkNet Gateway Module to provide diagnostic information remotely on a server, administrators and/or service technicians can easily configure, effectively monitor and efficiently maintain their wireless communications network through its easy-to-use web browser interface to ensure their system provides peak performance around the clock.

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Product Deployment

The LinkNet Gateway Module is a self-contained, plug-in module for use in the LinkNet Convergence Platform. This alarm monitoring and control module is designed to store, download, alter and monitor operating parameters and fault conditions on all active equipment installed in a LinkNet system. Active modules can be monitored locally through the LinkNet Gateway Module's serial data port with the use of a laptop computer. Remote monitoring is also available via modem or Ethernet* connection to the Internet with the purchase of Kaval's InView Management System.



Specifications

LinkNet Gateway Module	Description
Connectors	Connection to standard LinkNet Card-Cage Chassis (LNK-CH-01) 1 DB9 connectors for RS-232 local console RJ11 connector for Modem RJ45 connector for optional Ethernet*
Module Power Supply Consumption	12 W Maximum
Front Panel Indicators	Operating, Network, Remote, Fault
Configuration Options	The LNK-GM1000 / LNK-GM1000e may be used remotely via Kaval's InView Management System, or a PC and an RS-232 Connection.
Operating Temperature Range	-10°C to +50°C
Operating Humidity Range	10 to 90% RH, Non-Condensing
Dimensions (W x H x D)	9.11" x 4" x 14"
Weight	10 lbs Maximum

* This connection is for remote access applications, available only with the LNK-GM1000e model.

Card Cage (LNK-CH-01)	Description
Basic Construction	19" Rack based Card Cages.
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 which type and card slot they are in. Card-Cages are identified by a rear-panel switch setting (0-15).
Card-Cage Connections	DB-15 Connector provides the capability for extra Card-Cages to be cascaded via an expansion cable. The connector also provides a common Fault Relay.
Dimensions	Standard 19" Rack Mount, 6U (10.5") High, 14" Deep

Specifications are subject to change.

V2-01/03