

COMARRA

TELECOM TRANSMISSION SOLUTION



Intelligent Ethernet Cross Connect VCL-2026 VCL-2050

Product Brochure & Data Sheet

COMARRA

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Product Overview

COMARRA'S Intelligent Ethernet Cross Connect (IECC) is a Layer 1 digital patch panel that enables users to remotely program the port to port connections from any port to any port. The IECC comes in 24, 48 port versions.

LAN configuration is expedited by allowing the user to change the port to port mapping on the IECC in a second, from a remote location. This allows a LAN to be repeatedly configured and reconfigured, without the need for any re-wiring or indeed any human contact with the equipment at all. Any changes are digitally mapped and recorded, removing the inaccuracies resulting from manual recording.

This product replaces the ubiquitous "patch panel", where users have to manually patch and re-patch cables when changing the port to port mapping. The time consuming and expensive process of patching and re-patching cables in different network configurations is now avoided, saving the user significant time and expense.

COMARRA'S IECC is supplied with easy to use CLI commands that provides the user with the complete control to prepare multiple cross connect configurations.

The IECC can be accessed through a PC Serial COM Port using HyperTerminal text commands. The IECC also has a TCP/IP Access feature using Telnet and the web based GUI.

Individual units may be linked together and the product offers complete flexibility to create any number of LANS. Any of the 24 or 48 ports may be used as uplinks. Users may have multiple LANS that share a common uplinks, or have multiple LANS, each of which have their separate uplink. There are no restrictions.

Features & Highlight

Layer 1 Ethernet Cross-Connect

Compact chassis

Allows the network to be remotely configured and re-configured without patching and re-patching

Easy to use GUI

Easy to maintain. Eliminates wire jungles.

Any-port to any-port programmable connectivity.

Auto negotiable 10/100Ethernet connections, Auto sense full/half duplex, 24-port RJ-45 Ethernet interface connectors

2 reserved ports for GB up-link (optional)

Channel grouping which dramatically increases the bandwidth balancing

- SNMP support

Key Features

Enhanced Port Functionality

- Support for IEEE 802.3x auto negotiation and MDI/MDIX self-calibration across all ports;
- Support for IEEE 802.3ad port binding across all ports.

Intelligent QoS

- Multi-layer flow classification and flow processing;
- Independent packet filters at each port for intelligent differentiation of application flows;
- User-defined multi-layer flow classification rules;
- Support for up to 1K flow classification;
- Support for IEEE 802.1p and DiffServ Code Point;
- Support for intelligent Layer 2-7 flow classification.

Comprehensive Security Policies

- Compliance with IEEE 802.1x;
- Support for multiple ACL filtering policies to ensure controlled access to the network.

Intelligent Network Management

- Support for the EasyView Network Management Platform;

Specification

Feature Description	Comarra's VCL-2026	Comarra's VCL-2050
System		
Ports	24 ports 10/100Base-TX Ethernet interfaces	48 ports 10/100-Base-TX Ethernet interfaces
Expansion Slots	2	
MAC Address Capacity	14K	
Port Functionality		
Auto-Negotiation	Yes	
Duplex Setting	Yes	
Flow Control.: IEEE 802.3x	Yes	
IEEE 802.1q VLAN	Yes	

Specification

Management

Configuration Management via Console Ports	Yes
Telnet Configuration Management	Yes
Web Configuration Management	Yes
Command Records	Yes
Configuration Saving and Restoring	Yes
Command-line Prompt	Yes
SNMP	Yes
Trace Route	Yes
Configuration Files Uploading	Yes
OS Downloading	Yes
SYSLOG	Yes
IEEE 802.1x	Yes

Hardware

Physical Dimensions (W*D*H)	440mm * 330mm * 44.5 mm	440mm * 330mm * 44.5 mm
Weight	4Kg.	4Kg.
Safety Regulations	UL 1950/CSA 22.2 No.950.	
EM Compatibility	FCC Part 15.Subpart J.Class A	
Emissions	VCCI Class A ITE	
Operating Temperature	0°C 40°C .	
Operating Humidity	5% 95% noncondensing	
Storage Temperature	40°C 70°C .	
Power Supply	100VAC 240VAC,47 63Hz	
Power Consumption	<40W	
Expansion Cards	SP-GSX-A SP-GLX-A SP GTX-A	

Ordering Information

Type	Description	Power
COMARRA'S VCL-2026	24 (10/100/1000M Base-T) + 2 (Expansion slots)	AC 220V
COMARRA'S VCL-2050	48 (10/100/1000M Base-T) + 2 (Expansion slots)	AC 220V
SP-GSX-A	1000Base-SX,Optical module, GE-multimode-850nm,550meter, LC	
SP-GLX-A	1000Base-LX,Optical module, GE-multimode-1310nm,10km, LC	
SP GTX-A	10/100/1000Base-TX	

