GENERAL DATACOMM

Xedge PCL2

Xedge Packet Cell Link Controller with Flexible Cell Relay Transport

INTRODUCTION

Xedge PCL2 is part of GDC's next generation MultiService Packet Exchange platform (MSPx) that offers end users and operators flexible and modular technologies that support multi-protocol applications. As networks evolve to more packet-based technologies and services, the Xedge MSPx platform can converge protocols such as TDM, ATM, Frame Relay, Ethernet, and IP across emerging packet based MPLS, Ethernet, and IP backbones.

The Xedge Packet Cell Link (PCL2) is a cost effective solution for concentration of end user traffic to a service provider's ATM service or, in a private network, as a branch office solution connecting remote sites running multiservice applications back to main or headquarter sites.

Line Interface Applications

One or two compatible Xedge line interface modules (LIMs) are designed to plug directly into the midplane connectors of each PCL2 from the rear panel of the Xedge chassis for a variety of circuit emulation applications.

With Xedge LCE-16 LIMs, the PCL2 supports transport of 64 kbps and lower circuit rates over a packet, optical or ATM broadband backbone.

FEATURE HIGHLIGHTS

• Packet technology replaces legacy ACP controllers

• Loopback and diagnostics of physical layer performance

• Next generation platform supports migration to Ethernet/IP MPLS based solutions

• Conforms to RFC 1884 IPV6 addressing schemes

Reliability & Scalability

The Xedge PCL2 and other devices in the Xedge MSPx family support high-speed Ethernet, IP and legacy TDM/ATM, allowing operators to migrate legacy services over a secure, resilient Ethernet, MPLS, IP or ATM backbone. This seamless integration enables simplified, scalable, cost-effective network maintenance, sparing and operation.

• The dual-width PCL2 controller plugs into two adjacent front slots of any Xedge AC- or DC-powered chassis (4-slot Xedge 6160, 7-slot Xedge 6280, or the 16-slot Xedge 6640 or 6645).

• In higher density Xedge chassis platforms with a PCX2, PCE or ISG2 as the slot-0 controller, the PCL2 installs in any two adjacent nonslot-0 slots (7-slot Xedge 6280, or the 16-slot Xedge 6640 or 6645).

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