

# Principles And Practices Of Interconnection Networks

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## Principles And Practices Of Interconnection Networks

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Introduction

Architecture

Architecture Example

ISP Layer

Gateway Layer

IP Subnetting

Core Layer

Design Process

Product Announcement

Compaq Series

Questions

Power Consumption

General Questions

Do you need a core switch

Oversea hub location

Layer stacking

Two switches off the router

Free options

Compact switch



a YouTube ...

Intro

a BAD NETWORK

the 2-tier Network Design

the 3-tier Network Design

look at this MASSIVE switch!!

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Why is Interconnects Important

Interconnect Network Parameters

Clock Distribution Network

Interconnect Network

Network Interface

Flow Control

Direct Indirect Networks

Topology

Section Management

Topologies

Bus

Point to Connection

crossbar

arbitration

crossbars

Buffered crossbars

Omega networks

Multistage logarithmic networks

Circuit switching

Packet switching

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Introduction

More cores

Switched interconnect

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