

Meaning of the host interface



Overview

A is any device participating in a network. A host is a node that participates in user applications, either as a server, client, or both. A is a type of host that offers resources to the other hosts. Typically a server accepts connections from who request a service function. Every network host is a node, but not every network node is a host., such as,, and are not directly or actively participating in applic.

AI Overview

A host interface is a communication layer that allows a host processor to interact with peripheral devices or controllers, enabling data transfer and control without directly managing the device's internal operations.

Overview

A host interface (HI) serves as the bridge between a host processor—such as a microcontroller, microprocessor, or server—and an external device or controller. It allows the host to send commands, receive data, and manage hardware modules efficiently. The interface can be implemented in hardware, software, or a combination of both, depending on the system architecture .

Types and Examples

- Microcontroller/Processor Host Interface In embedded systems, a host interface may be a byte-wide parallel port or serial connection that links a host processor to a peripheral device like a DSP or Wi-Fi module. For example, the DSP56166 uses an 8-bit bidirectional data bus (H0-H7) with control lines to manage data transfers between the host and the DSP

Article Content

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Definition of host controller interface | PCMag

What does host controller interface actually mean? Find out inside PCMag's comprehensive tech and computer-related encyclopedia.

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Host terminology

A host interface protocol is the connection (such as Fibre Channel, iSCSI, etc.) between the controllers and the hosts.

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Intelligent Platform Management Interface

Intelligent Platform Management Interface The Intelligent Platform Management Interface (IPMI) is a set of computer interface

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Part E Host Controller Interface Functional Specification

This Part describes the functional specification for the Host Controller interface (HCI). The HCI provides a uniform command

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Host (network)

A network node is any device participating in a network. A host is a node that participates in user applications, either as a server, client, or both. A server is a type of host that offers resources to the other hosts. Typically a server accepts connections from clients who request a service function. Every network host is a node, but not every network node is a host. Network infrastructure hardware, such as modems, Ethernet hubs, and network switches are not directly or actively participating in applic

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Network Interfaces | Springer Nature Link

From the network's point of view, network interfaces are the end points of the network, as here the network packets are injected into,

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Definition of hardware interface | PCMag

What does hardware interface actually mean? Find out inside PCMag's comprehensive tech and computer-related encyclopedia.

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HOST | English meaning

HOST definition: 1. someone who has guests: 2. a person who introduces guests and performers, especially on. Learn more.

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Host Controller Interface (HCI): USB, Bluetooth & IC Guide

Learn how Host Controller Interfaces (HCI) work in USB and Bluetooth systems. Explore

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Interfaces and Services

Interfaces and Services is a process that generally provides and gives a common technique for each layer to

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What Is A Host Controller Interface? (unlocking Device Connectivity)

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127.0.0.1: Understanding the Localhost IP

The name localhost carries a special meaning in computer networking and is used in conjunction with 127.0.0.1.

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Host to Host Communication

The article provides an overview of host-to-host communication in computer networks, covering how internal and external data

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Host Interface | AnyLearn.ai

A host interface is a critical component that facilitates communication between a computer's host system and peripheral devices,

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HOST Definition & Meaning

The meaning of HOST is a person who receives or entertains guests socially, commercially, or officially. How to use

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13 Host Interface (HIF) Protocol

The Host Interface Layer is responsible for handling communication between the host MCU and the WINC device. This includes

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Host interface

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What Is a Host Adapter?

The role of a host adapter in computer systems, enabling communication between the main processor and devices like

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HOST INTERFACE

The Host Interface (HI) is a byte-wide parallel slave port which may be connected directly to the data bus of a host processor. The

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What is Advanced Host Controller Interface (AHCI)? | Definition from ...

Advanced Host Controller Interface (AHCI) is the standard interface that enables software to communicate with SATA

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Network Interfaces

Network interfaces are defined by the Internet Engineering Task Force (IETF) in RFC 2863 and are not meant to be

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Understanding Network Interfaces in 2025: Types, How They Work

Learn what a network interface is, how NICs work, and the differences between Ethernet, wireless, and virtual

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1.3 Host Interface (HIF)

The host driver communicates with the firmware in the form of commands and responses formatted by the HIF layer. The interface is

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