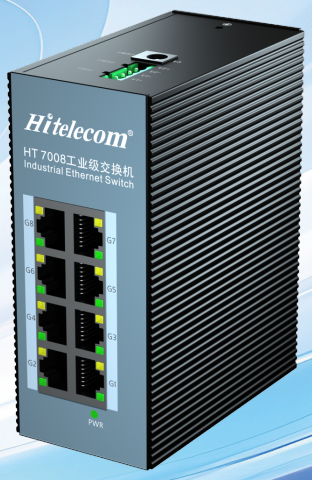
Hitelecom®

Industrial Ethernet HT7000 Series

Connect the equipment. Build the site network.



KEY INDICATORS

Ethernet ports	Link speeds	Flow control	Nominal DC supply	Operating range
8 x RJ45	10/100/1000 Mbps	IEEE 802.3x	12 / 24 / 48 V DC	-40 to +75 °C
HT7008 reference	Auto-negotiation	Ethernet flow control	Arrangement specified	Review cabinet conditions

OVERVIEW

The Hitelecom HT7000 series brings Gigabit Ethernet connectivity to industrial equipment networks. The illustrated HT7008 provides eight RJ45 ports with 10/100/1000 Mbps auto-negotiation, IEEE 802.3x flow control, an aluminium-alloy enclosure and operation from -40 to +75 °C. Define the port allocation, nominal DC supply arrangement, enclosure conditions and requested network functions around the project. An upstream link occupies a port within the same eight-port total. Record the approved configuration and acceptance criteria before delivery.

KEY FEATURES

Eight-port reference

Allocate the eight RJ45 ports between equipment, upstream connections and any required spare capacity.

Auto-negotiation

Connect compatible Ethernet endpoints at supported link speeds; verify the actual application traffic.

Aluminium enclosure

A metal enclosure with external fins supports cabinet integration. Define access and thermal clearances.

Industrial temperature

The HT7008 reference operates from -40 to +75 °C. Review temperature at the actual installation position.

IEEE 802.3x

Ethernet flow control is listed for the reference. Evaluate its behaviour with the connected endpoints.

Project configuration

Agree power, hardware, network-function requirements, identification, documentation and verification scope.

APPLICATIONS

















Representative environments. Eight areas cover 40 website network tasks; images do not establish customer installations or sector approvals.

Item		Description
Identity	Product family	HT7000 Series industrial Ethernet switches.
	Pictured reference	HT7008 eight-port copper Ethernet model.
Ethernet	Port arrangement	8 x RJ45 copper Ethernet ports. Any upstream link occupies a port within this total.
	Link speeds	10/100/1000 Mbps auto-negotiation.
	Flow control	IEEE 802.3x.
	Application traffic	Verify traffic and performance with the connected equipment. Link rate is not an end-to-end throughput or latency guarantee.
Power	Nominal supply	12 / 24 / 48 V DC. Obtain the permitted input-voltage range for the supplied version.
	Input arrangement	Confirm input circuits, terminal assignment, source priority or transfer behaviour, consumption and protection requirements.
Status	Local indicators	Power and port-side indicators are shown. Confirm their meanings in the supplied operating instructions.

The listed nominal DC values do not define a continuous voltage range or a number of independent inputs. Obtain the approved wiring and power specification before connection.

DEPLOYMENT & OPERATING DETAILS

Item		Description
Physical	Enclosure	Aluminium alloy with external cooling fins.
	Installation	Confirm mounting method, dimensions, earthing, cable access and thermal clearances for the supplied configuration.
Site	Operating temperature	-40 to +75 °C. Review actual cabinet temperature and project operating conditions.
	EMC integration	EMC protection is referenced. Confirm applicable test standards, levels, installation conditions and supporting records.
	Site requirements	Specify enclosure protection and any required ingress, corrosion, hazardous-area or sector qualification.
Project	Configuration scope	Agree hardware, requested network functions, product identification and documentation before design approval.
	Acceptance records	Define functional, power, thermal, EMC and application-network checks appropriate to the agreed project.

Include management, powered-device supply or fibre requirements in the project brief. The reference does not specify these functions, a ring-recovery mechanism or a protocol-conversion function.

Power-source arrangements and network-path resilience are separate design decisions. Define and verify each required recovery behaviour with the appropriate documented equipment.

Application examples describe equipment-network contexts. Obtain model- and destination-specific evidence for marine, hazardous-area, utility-sector or other regulated installation requirements.

ETHERNET INTEGRATION WORKFLOW

Ethernet endpoints
Compatible equipment links

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HT7008 reference
Eight shared RJ45 ports

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Upstream network
Site LAN / router / gateway

local Ethernet path. Define the endpoints, port map, traffic requirements, upstream equipment and any required network functions in the agreed installation design.

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