

Schneider Electric 140CPU65160S

Safety Processor / Exact identity and technical profile

The technical decision for 140CPU65160S is controlled by its exact manufacturer identity, published characteristics and documented Modicon Quantum boundary.

Processor class	Unity safety processor
Clock frequency	266 MHz
Internal RAM	1024 kB
Safety software	Unity Pro XL Safety
Local racks	1
Remote I/O stations	31

TECHNICAL MARKER

Preserve the validated safety application and hardware signature.

TECHNICAL MARKER

Record Ethernet, Modbus and Modbus Plus addressing.

TECHNICAL MARKER

Retain the PCMCIA program and file-storage configuration.

TECHNICAL MARKER

Restore the key-switch and memory-port state from the controlled record.

Technical boundary

The exact model and its published data govern this reference. Similar family names, suffixes or physical appearance do not establish the same electrical or software behavior.

Identity evidence	Read 140CPU65160S from the installed label and procurement record
Function evidence	Confirm the published safety processor role in the Modicon Quantum system
Configuration evidence	Retain the project, mapping, range, address or interface assigned to this position
Release evidence	Link final diagnostics to a witnessed field or operator response

TECHNICAL DECISION

Accept 140CPU65160S only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented 140CPU65160S position requires separate engineering approval.

Schneider Electric 140CPU65160S

Safety Processor / Published characteristics

This matrix groups the published 140CPU65160S characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact safety processor record.

Processor class	Unity safety processor
Clock frequency	266 MHz
Internal RAM	1024 kB
Safety software	Unity Pro XL Safety
Local racks	1
Remote I/O stations	31
Integrated Ethernet	1 local Ethernet TCP/IP port
Integrated serial	1 Modbus RS232/485 port
Integrated Modbus Plus	1 local port
Integrated USB	1 local port
Program expansion	7168 kB with PCMCIA card
File storage	8 MB with PCMCIA card

INTERPRETATION

Use every 140CPU65160S value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make 140CPU65160S data actionable.

Nameplate check	Manufacturer and full reference agree with the controlled record
Range check	Published operating or signal data agree with the configured use
Interface check	Backplane, terminal, cable, network or memory arrangement is documented
Limit check	Loading, channel count, supply or lifecycle constraint is reviewed
Evidence close	Source title and applicable product record are retained with the decision

NO BORROWED VALUES

Another Schneider Electric suffix cannot fill a missing 140CPU65160S parameter.

ENGINEERING OUTPUT

Record the exact value used, its purpose and any unresolved item before selection.

Schneider Electric 140CPU65160S

Safety Processor / System role and data flow

Quantum safety control

Executes a validated Unity safety application.

Remote I/O coordination

Manages the documented Quantum remote-I/O stations.

Multi-protocol integration

Uses the approved Ethernet, Modbus and Modbus Plus services.

Controlled processor replacement

Restores the exact CPU, project and memory-card baseline.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	140CPU65160S performs its published safety processor role
Control layer	PLC project, address map or runtime application interprets the exchanged data
Acceptance layer	Diagnostics and intended process response are witnessed together

Engineering boundary

Application examples describe system roles only. They do not establish automatic interchangeability, replacement approval or suffix equivalence.

Observed input	Field, network or operator condition presented to 140CPU65160S
Published action	The documented safety processor function processes that condition
Configured interpretation	PLC logic, HMI project or station mapping assigns system meaning
Expected output	A defined state, value, message or command is produced
Acceptance proof	The complete path is witnessed under controlled conditions

APPLICATION RECORD

Tie each 140CPU65160S use case to the installed drawing or project tag.

EXCEPTION CONTROL

Document and resolve any behavior that differs from the approved response.

Schneider Electric 140CPU65160S

Safety Processor / Engineering decisions

SUPPORTED IDENTITY

140CPU65160S

PUBLISHED FUNCTION

Safety Processor

SYSTEM CONTEXT

Modicon Quantum

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

What device identity or role does Schneider Electric 140CPU65160S publish?

For 140CPU65160S, the manufacturer states Unity safety processor. Do not replace it with a nearby suffix value.

How does Schneider Electric define the internal ram of 140CPU65160S?

The exact-model source gives 1024 kB. Use it together with the actual 140CPU65160S nameplate and installation record.

How many local racks are documented for Schneider Electric 140CPU65160S?

Use 1 as the 140CPU65160S local racks reference and resolve any field discrepancy before release.

What integrated ethernet rating is specified for Schneider Electric 140CPU65160S?

Schneider Electric identifies the integrated ethernet as 1 local Ethernet TCP/IP port; keep that exact entry in the 140CPU65160S record.

What clock frequency rating is specified for Schneider Electric 140CPU65160S?

Record 266 MHz for 140CPU65160S and verify the field arrangement against the controlled drawing or project.

Which safety software is associated with Schneider Electric 140CPU65160S?

140CPU65160S is documented with Unity Pro XL Safety; this value belongs to the verified product configuration.

How many remote i/o stations are documented for Schneider Electric 140CPU65160S?

The manufacturer record for 140CPU65160S specifies 31. Preserve it through selection, installation and acceptance.

What integrated serial rating is specified for Schneider Electric 140CPU65160S?

The published 140CPU65160S value is 1 Modbus RS232/485 port. The installed configuration must remain within that boundary.

Decision closeout

Close the 140CPU65160S technical review with the exact identifier, applicable published limits and the installed configuration assumptions explicitly recorded.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The 140CPU65160S decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

Schneider Electric 140CPU65160S

Safety Processor / Evidence and support

Exact product	Schneider Electric 140CPU65160S
Technical class	Safety Processor
Platform	Modicon Quantum
Evidence use	Exact-model characteristics and engineering boundary
Record with	Installed drawing, project and acceptance evidence
Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

Schneider Electric TSXP574634M

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Schneider Electric TSXP57302M

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MANUFACTURER EVIDENCE RECORD

Schneider Electric 140CPU65160S Product Data Sheet

Exact Quantum Unity safety processor characteristics

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Send the exact model, quantity, destination and requested condition for a quotation.

