6DS1916-8RR

01 / Product identity and control context

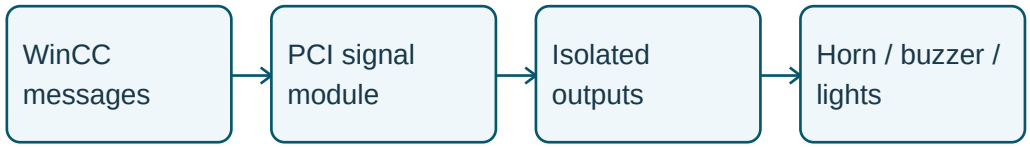
PCI Signal Module

Siemens 6DS1916-8RR is a 5 V PCI signal module for PCS 7 operator stations, providing external signaling, hardware acknowledgment and watchdog functions.

Key characteristics

Product type	PCI signal module
Host interface	32-bit, 5 V PCI slot
Signaling	Three outputs, three binary inputs and watchdog

Functional relationship



Host compatibility

Check a free 5 V PCI slot, card product status and compatible station operating system.

Configuration boundary

These functions apply to the 5 V PCI signal module in a supported WinCC/PCS 7 operator-station configuration. Match product status, operating system and driver before installation.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

6DS1916-8RR

02 / Technical characteristics

Hardware and functional data

Product type	PCI signal module
Host system	PCS 7/TM-OS and PCS 7-OS
Bus interface	32-bit PCI, 5 V slot
External signaling outputs	Up to 3
Additional binary inputs	3
Watchdog	Hardware timer retriggered by WinCC Runtime

Interfaces and operating conditions

Acknowledgment	Software or external hardware button
Function connector	25-pin Sub-D
9-pin connector	Not used for the signal-module application
Signal isolation	Relay contacts or optocouplers
External circuit protection	24 V DC supply with customer-provided 1 A protection

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03 / Application and integration contexts

Acoustic annunciation

Drive configured horns or buzzers through the signaling outputs and verify message-class assignment and acknowledgment behavior.

Optical annunciation

Use the available outputs for compatible external lights. Check the protected external supply and isolated contact circuit.

Software relationship

Match the WinCC/PCS 7 version and signal-module driver.

Station supervision

Use the hardware watchdog to detect loss of cyclic Runtime retriggering and activate the configured fault signal.

Hardware acknowledgment

Integrate an external acknowledgment button where required and verify the relationship between reset inputs, assigned tags and output reset.

External wiring

Check the 25-pin signal assignment, acknowledgment circuit and protected 24 V supply.

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04 / Installation and release decisions

Check the PCI slot

Use a 5 V, 32-bit PCI slot. A 3.3 V slot is not suitable.

Confirm product status

Check the card label and required ES status for the installed WinCC signal-module implementation.

Match the driver

Install the driver appropriate to the operating system and WinCC/PCS 7 version.

Protect external circuits

Apply the required 1 A protection to the externally supplied 24 V DC signaling circuit.

Keep local configuration

Configure each computer independently; project duplication does not copy the signal-module settings.

Test all alarm paths

Test the three outputs, hardware acknowledgment and watchdog before handing the station back to operations.

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05 / Lifecycle, evidence and related portfolio

Lifecycle status

The manufacturer lifecycle phase is End of Product Lifecycle. Plan service against the installed operator-station hardware and supported software configuration.

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

Siemens WinCC/Options for Process Control, A5E50503017-AA, 11/2020; Siemens 6DS1916-8RR product information.

Related product references

Siemens 6ES7417-4XT05-0AB0

Siemens 6ES7412-2XJ05-0AB0

Siemens 6ES7318-3EL01-0AB0

Siemens 6ES7653-2CC00-0XB0

Navigation only; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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