

# IEC 62541-008 OPC Unified Architecture - Part 8: Data Access

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Table 1: Data sheet for OPC Unified Architecture - Part 8: Data Access

Title	OPC Unified Architecture - Part 8: Data Access
Version	2020
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**Note:** The following is an excerpt from the official IEC catalog. It is provided here as a convenience and is not authoritative. Refer to the original document as the authoritative reference.

## Abstract

IEC 62541-8:2020 is part of the overall OPC Unified Architecture (OPC UA) standard series and defines the information model associated with Data Access (DA). It particularly includes additional **VariableTypes** and complementary descriptions of the **NodeClasses** and **Attributes** needed for Data Access, additional **Properties**, and other information and behaviour.

The complete address space model, including all **NodeClasses** and **Attributes** is specified in [IEC 62541-003 OPC Unified Architecture - Part 3: Address Space Model](#). The services to detect and access data are specified in [IEC 62541-004 OPC Unified Architecture - Part 4: Services](#). This third edition cancels and replaces the second edition published in 2015. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) added new **VariableTypes** for **AnalogItems**;
- b) added an Annex that specifies a recommended mapping of OPC UA **DataAccess** to OPC COM **DataAccess**;
- c) changed the ambiguous description of **“Bad\_NotConnected”**;
- d) updated description for **EUInformation** to refer to latest revision of **UNCEFACT** units.

See also:

- [IEC 62541-001 OPC Unified Architecture - Part 1: Overview and concepts](#)
- [IEC 62541-002 OPC Unified Architecture - Part 2: Security Model](#)
- [IEC 62541-003 OPC Unified Architecture - Part 3: Address Space Model](#)
- [IEC 62541-004 OPC Unified Architecture - Part 4: Services](#)
- [IEC 62541-005 OPC Unified Architecture - Part 5: Information Model](#)

- [IEC 62541-006 OPC Unified Architecture - Part 6: Mappings](#)
- [IEC 62541-007 OPC Unified Architecture - Part 7: Profiles](#)
- [IEC 62541-009 OPC Unified Architecture - Part 9: Alarms and Conditions](#)
- [IEC 62541-010 OPC Unified Architecture - Part 10: Programs](#)
- [IEC 62541-011 OPC Unified Architecture - Part 11: Historical Access](#)
- [IEC 62541-012 OPC Unified Architecture - Part 12: Discovery and global](#)
- [IEC 62541-013 OPC Unified Architecture - Part 13: Aggregates](#)
- [IEC 62541-014 OPC Unified Architecture - Part 14: PubSub](#)
- [IEC 62541-100 OPC Unified Architecture - Part 100: Device Interface](#)

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