Overview
Main Features and Competitive Advantage
Licensing
Key Takeaways
The Vision

An open-standard based architecture, designed from the ground up with security in mind.

Interact with ANY device

Through ANY network/protocol

Access ANY data

Easy Configuration
Sustainable
Collaborative
Cost Effective
Bring a smarter future into focus with an Edge to Enterprise approach for your operations

Collaboration

Line-of-Sight Visibility

Remote Work

Standardization

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Industrial Internet of Things (IIoT) / Industry 4.0

AVEVA Edge as an IoT Gateway and/or HMI/SCADA node

Cloud Analytics and Mobile Access
analytics, consolidation, artificial intelligence (AI), machine learning (ML), remote management/deployment, remote notifications and monitoring

Edge devices
data acquisition, data manipulation (aggregations, filtering, contextualization, normalization), link with the cloud, local maintenance, local operation

Instrumentation and Controllers
operational real-time control, raw data measurements
Main Benefits

- **Portability**
  - Windows
  - Windows IoT
  - Windows Embedded Compact
  - Linux

- **Mobility**
  - Windows
  - Android
  - Apple
  - Linux

- **Interoperability**
  - OPC UA
  - MQTT

- **Productivity**
- **Reliability**
- **Security**
Value Proposition

Easy, simple, and powerful

AVEVA Edge is an easy-to-use, powerful, and affordable HMI/SCADA software and IoT/Industry 4.0 solutions for PCs, industrial panels, embedded & mobile devices.

Develop your project once → Deploy and run it anywhere

Linux, Windows CE/Mobile, Windows Embedded, Windows Desktop and Server Editions, among others.
Investment Protection and greater ROI

100% Compatibility with applications designed in previous versions

Evolve protecting your investment!

1997
AVEVA Edge 1.0
Windows NT
Windows 95
Windows CE

2021
AVEVA Edge 2020 R2
Windows 10
Windows Server 2019 / 2016 / 2012 R2
Windows 10 IoT Enterprise (LTSC/LTSB)
Windows Embedded Standard 7 / Pro 8.1
Windows Embedded Compact 7 / 6 / 5
Linux
Vertical Markets

Any vertical market, any application
Main Features and Competitive Advantages
Native tools for SCADA, HMI, and IoT solutions

Comprehensive (everything included), mature, innovated and fully integrated
Solution in Layers

OEM-focused template-driven solution

- Leverage unique capability that drastically reduces the engineering cost for multiple deployments.
- Design asset-agnostic and site-agnostic templates.
- Provide flexibility to customize templates during the runtime (on-the-fly).
Modular Architecture

Flexibility

- Layer of abstraction for Communication
- Layer of abstraction for Databases/ERP
- Layer of abstraction for Hardware/OS Platforms
- Layer of abstraction for proprietary systems (APIs)

AVEVA EDGE
Portability

Develop once, deploy anywhere

DEVELOPMENT (IDE)

- Scalable in functionality
- Scalable in footprint (support for embedded devices)
- Scalable in platforms (hardware-agnostic)
Mobility

Native Thin Clients

- **Secure**: Native secure connection with built-in encryption and authentication
- **Portable**: Access information for PCs, Tablets, Smart Phones, and wearable devices
- **Flexible**: Consume information from Web Browsers or dedicated Apps (AVEVA Mobile Access)
- **Customizable**: Custom user interface for each persona, based on their roles (lenses)
- **Scalable**: Auto screen scaling for different screen sizes and orientations
- **Interoperable**: Connectivity directly to Edge devices (e.g.: intranet WiFi - LAN) as well as to the cloud-based system (internet - WAN)

Mobile Access Thin Client

- Plug-in free
- HTML5 interface
- Platform agnostic
- Multi-use devices

Secure Viewer Thin Client

- Ability to prevent operator from closing or switching from the application.
- Dedicated devices (runtime-line user experience)
Interoperability

OT+IT native integration

Native built-in drivers (connectors) for 100+ protocols

HTTP/HTTPS REST

Plant Floor Integration
Schneider-Electric, OMRON, GE, Allen Bradley, Siemens, Modbus, Profibus, DeviceNet, Beckhoff, MQTT Sparkplug B, OPC UA/DA/XML, and many others...

Open Architecture
System Integration
Product Customization

Cloud and IT Integration
Email, data, and page interface from mobile devices

Mobile Access and Web Solution
Access to the system from anywhere using a single browser

Client Stations
Redundancy
Data Exchange in Real-Time
Third-Party Systems
Thin Clients

Enterprise
Excel, Access, Oracle, MySQL, Sybase
SQL Server, SQL Azure, AVEVA Historian, AVEVA Insight, AVEVA Integration Studio, OSI PI and many others...

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Unique, state of art Database Integration

Patented solution

- Easy configuration, not requiring scripts
- Native integration with:
  - AVEVA Historian on premises
  - AVEVA Insight on the cloud
  - Any SQL Relational Database
- Native:
  - Store-and-forward configuration
  - Redundant configuration
  - Historization of Process Data (Trend), Alarm notifications, and Process Events
- Support for third-party providers OLE-DB, ADO.NET, ADO, and ODBC
AVEVA Edge Management

Cloud-based edge management platform for provisioning of containerized solutions

*Available with AVEVA Flex Subscription
Native Integration with System Platform

**Edge to Enterprise solution made easy**

- Seamless integrated development environment
- Support for Industrial Graphics and Galaxy Repository
- Automatic point mapping
- Event-driven communication (VTQ)
- Synchronized Alarm Status
- Native support for AVEVA Historian
- Remote Management and Deployment
- Native ITMEViewApp object for System Platform, MQTT Sparkplug B and/or OPC UA integration options
Import Wizards

Reduces drastically engineering cost to modernize projects with AVEVA Edge

Rockwell®
FactoryTalk™ ME/SE

Rockwell®
PanelBuilder32

EATON®
PanelMate

Cost-effective method to modernize leveraging past engineering investments
Licensing
Licensing

Flexible, simple, affordable

<table>
<thead>
<tr>
<th>License Levels</th>
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<tbody>
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- All features available in any license (i.e.: license does not restrict features)
- Any license supports at least one concurrent Thin Client. Additional Thin Clients available for purchased individually
- UNLIMITED versions provide unlimited tags and unlimited Thin Clients (limited by physical constraints)

(*) Available for AVEVA Edge IoT View on AVEVA Flex Subscription
Key takeaways
Key Takeaways

Your success is our success

COMPREHENSIVE AND EASY TO USE
Mature, robust, reliable solution with native interfaces and tools to provide a high level of productivity

FLEXIBLE AND OPEN
Native Portfolio Integration and support to standards and extensibility for 3rd-party system integration.

SUSTAINABLE AND AFFORDABLE
Continuously evolving with flexible commercial models that suit your needs (CAPEX or OPEX).
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ABOUT AVEVA

AVEVA is a global leader in engineering and industrial software driving digital transformation across the entire asset and operational life cycle of capital-intensive industries.

The company’s engineering, planning and operations, asset performance, and monitoring and control solutions deliver proven results to over 16,000 customers across the globe. Its customers are supported by the largest industrial software ecosystem, including 4,200 partners and 5,700 certified developers. AVEVA is headquartered in Cambridge, UK, with over 4,400 employees at 80 locations in over 40 countries.

aveva.com