

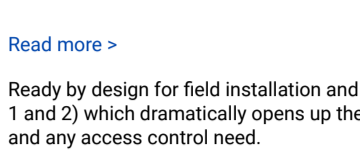


## EXOR Newsletter

Issue 5 of 2020

### NEW PRODUCTS

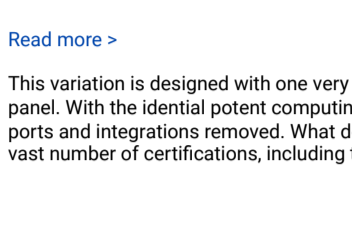
#### JSmart707 with NFC



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Ready by design for field installation and now with NFC ISO/IEC 14443A Part A (tag types 1 and 2) which dramatically opens up the possible user cases in both industrial settings and any access control need.

#### eSMART107B

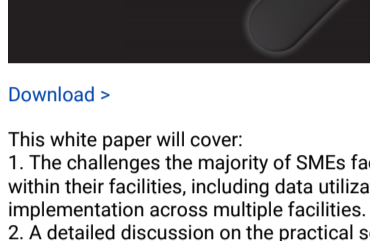


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This variation is designed with one very powerful user case: that is an entry level browser panel. With the identical potent computing CPU as the eSMART107 but with all excess ports and integrations removed. What does remain as with the rest of the range are the vast number of certifications, including those to be used in hazardous conditions.

### WHITE PAPERS

#### Why Industry 4.0 Implementation is Failing SMEs



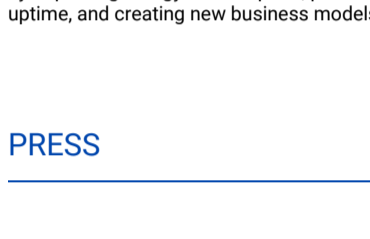
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This white paper will cover:

1. The challenges the majority of SMEs face when implementing Industrie 4.0 concepts within their facilities, including data utilization, working with diverse machine systems, and implementation across multiple facilities.

2. A detailed discussion on the practical solutions to these challenges including the application of edge computing, 5G networks, OPC UA over TSN, and the role of vendors in addressing the common issues.

#### Liberating Data from the Factory with Industrial IoT Gateways



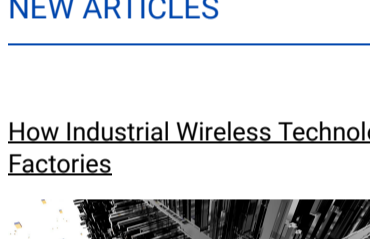
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This white paper begins:

Industry 4.0 and evolution to Smart Factories promise to bring immense business benefits by improving energy consumption, productivity and throughput, quality, reliability and uptime, and creating new business models.

### PRESS

#### System-on-module for IoT edge deployment in smart applications

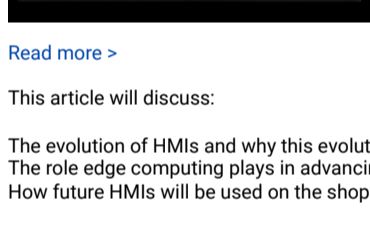


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Arrow Electronics and EXOR Embedded have announced the nanoSOM nS02, a high-performance, energy-efficient system on module (SOM) for IoT edge deployments. The nS02 serves as a full production IoT design and is based on the 800 MHz version of the STM32MP1 microprocessor from STMicroelectronics. Arrow is also offering a supporting development kit.

### NEW ARTICLES

#### How Industrial Wireless Technology Will Change Operations of Factories

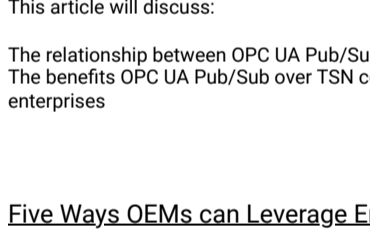


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This article will discuss:

The evolution of HMIs and why this evolution is necessary  
The role edge computing plays in advancing the development of today's HMIs  
How future HMIs will be used on the shop floor and the benefits they provide

#### Your Next HMI is not an HMI



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This article will discuss:

The evolution of HMIs and why this evolution is necessary  
The role edge computing plays in advancing the development of today's HMIs  
How future HMIs will be used on the shop floor and the benefits they provide

#### How OPC UA Over TSN and 5G Converge

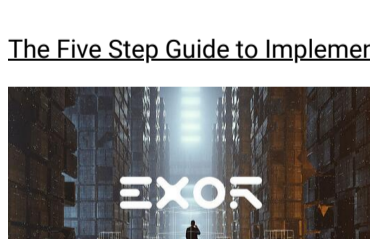


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This article will discuss:

The relationship between OPC UA Pub/Sub over TSN and 5G networks  
The benefits OPC UA Pub/Sub over TSN convergence with 5G brings to industrial enterprises

#### Five Ways OEMs can Leverage End-User Machine Data



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This article will discuss:

The different ways OEMs can leverage end-user machine data  
The benefits that come with leveraging end-user machine data  
Examples of how leveraging machine data can optimize business growth

#### Smart Factory Transformations From Manufacturers who Have Done it

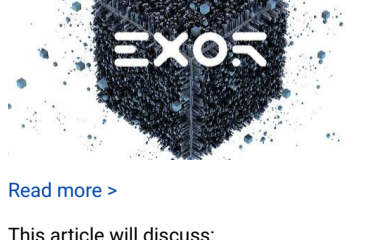


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This article will discuss:

Use cases for digital transformation in the manufacturing industry  
Examples of five manufacturers who have executed smart factory transformations  
The benefits manufacturers say smart factory transformations bring to the table

#### The Five Step Guide to Implementing Data Capturing Technology

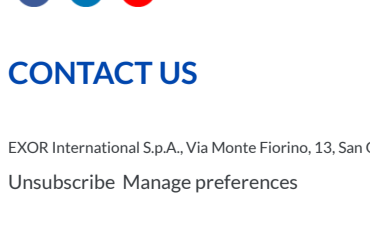


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This article will discuss:

The digital technologies needed for implanting a data capture process in greenfield facilities  
The 5 steps to implementing data capturing technology in greenfield facilities  
How to take advantage of and put the captured data to use

#### The Benefits of CNC systems in Manufacturing Plants



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This article will discuss:

The integration of CNC systems in manufacturing shop floors  
The benefits of utilizing CNC systems in manufacturing plants  
The role CNC Mobile applications play in automating machining activities

#### The 5G Factory of the Future and What it Entails



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This article will discuss:

Expected use cases for the application of 5G in the factories of the future  
The value proposition 5G factories bring to manufacturing facilities and warehouses  
How the 5G factory will define the future of manufacturing and industrial automation

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