

# Industrial AI Accelerated: Machine Vision & Control, Built for Reliability

```

def determineLanguageFromInput(inputString):
    lang = None
    raise Exception("Input language could not be determined")
    return None
parsedInput = self.parseInputToLanguageModel(inputString, inputLanguage, context)
if not parsedInput or not self.model:
    return None
context.append(parsedInput) # Add new conversation entry to context
return (self.model.generateLLMOutput(parsedInput), context)

def parseInputToLanguageModel(inputString, inputLanguage, context):
    if self.model is None or self.model.language != inputLanguage:
        # LLM is not initialised or has wrong language, load LLM
        self.model = self.loadAILanguageModelFromDatabase(inputLanguage)
        if self.model is None or not self.runModelSelfDiagnosis():
            raise Exception("AI language model load failed")
            return None
    self.model.setLLMContext(context) # Put past conversation context
    llmInputParser = self.model.getInputParser()
    return llmInputParser.parseInput(inputString)

def generateLLMOutput(parsedInput):
    llmContext = self.model.getLLMContext()
    bytesOfResponse = self.model.convertInputToIntermediateRepresentation(parsedInput)
    if bytesOfResponse is None:
        raise Exception("Failed to produce intermediate representation")
    
```

## S26-ARLS-WA04



### 4U Industrial PC with Intel® Core™ Ultra Processors and Dual AI Accelerators for Edge AI

The [S26-ARLS-WA04](#) 4U industrial computer, built on Intel® Q870 Chipset, supports Intel® Core™ Ultra processors and features 4xDDR5 6400MT/s memory (max 192GB), dual PCIe 5.0 x16 slots. Equipped with TPM 2.0 security, 4U rack-mounted design, quad-display interfaces (VGA/HDMI®/DP/eDP), and rich I/O, it supports Wi-Fi 7/BT 5.4 for stable connectivity.

The S26-ARLS-WA04 is ideal for SMEs, it excels in LLM inference, industrial AI machine vision, industrial control, and real-time data processing, empowering the deployment of industrial AI in related fields with reliable industrial-grade performance.



### Key Features



High-Bandwidth  
PCIe



High-Speed  
DDR5 Memory



Quad-Display  
+ Wi-Fi 7



Trusted TPM  
Security

### Intel Products & Technology



Intel® Core™  
Ultra Processors



Intel vPro®



OpenVINO™  
Toolkit



oneAPI  
Intel® oneAPI  
Toolkit

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