

# **Darveen Company Introduction**

January 2025

#### **Leading in Port and Terminal**



Darveen's vehicle mount computers have held 70% of the mainland China's container port market in recent years, offering user-friendly terminals that significantly outperform other industrial computer companies.

#### Who We Are

Darveen's mission is to provide rugged industrial computers for vertical markets. Darveen's vehicle mount computers have effectively streamlined processes and operations for hundreds of container terminals worldwide.



Founded in 2007



100+worldwide



#### Certifications

- ISO-9001
- ISO-14001
- ISO-45001



#### **Major Products**

- In-Vehicle Computers
- Rugged Tablets
- Industrial Panel PCs
- Embedded Box Computers & Industrial Computers



### **Core Competencies**

# 20 Years of Reliable Experience

Committed support with a global service team and technical expertise

# Flexible Customized Services

Rapid prototyping and development for customized designs

#### **Stability Assurance**

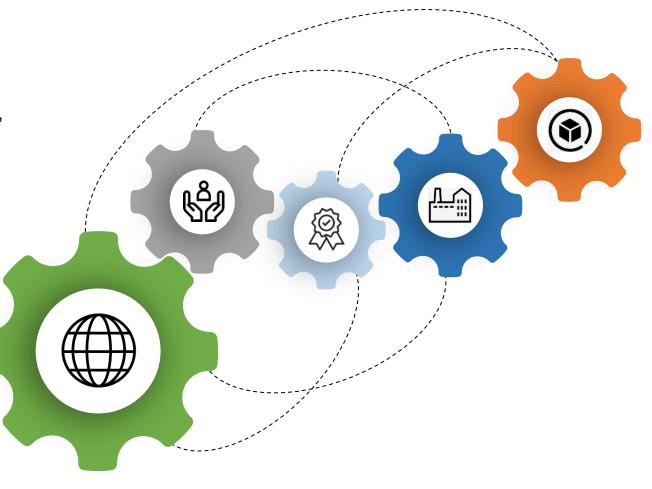
Comprehensive laboratory equipment for wide temp. test, burn-in test, and reliability test (vibration / shock)

# Comprehensive **Product Lines**

Rugged industrial computers, vehicle mount computers, tablets, and panel PCs on multiple platforms

# Professional Manufacturing

ISO-certified factory with a stable supply chain and extensive production capacity



#### **ISO Certifications**





ISO 9001





ISO 14001





ISO 45001

#### **International Certifications**

**Industry Certifications** 









**Common Certifications** 













### **Core Technologies**



**Anti-Shock & Anti-Vibration Design** 

Meet MIL-STD-810G standard



#### **Fanless Design**

Die-Cast Aluminum Shell for Heat Dissipation



**Anti-Dust & Anti-Water Design** 

IP65/66/67



#### **Wide Voltage Input**

Wide voltage input design, ACC Ignition Detection, suitable for various vehicle



#### **Integrated Wireless Communication**

Support WiFi, 4G/5G, Bluetooth, GNSS



#### **Wide Working Temperature**

-30°C~60°C



#### **Industrial Touch Screen**

Industrial Grade Resistive Touch/Capacitive Touch Screen



#### **Comprehensive Installation**

Standard VESA Installation various of brackets suitable for installation in various vehicle

### **Laboratory Equipment**



High and Low Temperature & Constant Temperature Humidity Test



High Temperature Aging Tester



Salty Fog Tester



Double Wing Drop Tester



High Frequency 3 Axis Electromagnetic Vibrator



High Amplitude Mechanical Vibrator



IPX5/6 Waterproof Tester



**Dust Test Chamber** 

# **Manufacturing Center**









Burn-In Room

Clean Room

Constant Temperature and Humidity Warehouse

Warehouse





Product Line 5K pcs/Month

#### **New Product Development Process**

#### **New Product Planning Phase**

- Product Feasibility Assessment
- **Determination of Key Components**
- Development Evaluation Report
- **Product Specs Sheet**

#### **MP (Mass Production)**

- Completion of All Component Approvals
- Finalization of After-Sales Support Documentation
- **EMC Report**
- MP Report



#### **EVT (Engineering Validation Testing)**

- Mechanical Drawing Release
- Mechanical Prototyping
- Sample Assembly
- **Functional Test**
- EMI Pre-scan
- High and Low Temperature Test



- Establishment of Production and Testing Fixtures and Equipment
- Calculation of Production Time
- **Production Scheduling**
- Finalized MBOM
- Final Versions of SOP and SIP

#### **DVT (Design Validation Testing)**

- Design Modifications and Tooling
- Sample Assembly
- External EMC Test
- Technology Transfer to Factory
- Completion of EBOM
- QE Reliability Test

#### **MVT (Manufacturing Validation** Testing)

- Technology Transfer to Factory
- MVT Sample Assembly
- Design of Production and Testing **Fixtures**
- Assembly Time Calculation
- Production, QC, and Customer Service Evaluation Reports















#### **Comprehensive Product Lineup**



**In-vehicle Computers** 



**Rugged Tablets** 



**Industrial Panel PCs and Industrial Monitors** 



**Embedded Box Computers** 



**Industrial Chassis** 

### **Vehicle Mount Computers**





**Diverse Product Selections** 



Advanced Wireless Antennas



Rugged Reliability



Adaptable Power Connectivity

### **In-vehicle Box Computers**





Seamless Wireless Connectivity



Rugged Reliability with MIL-STD-810G



Rich I/O and Rugged M12 Connectors



Adaptable Power Connectivity

### **Rugged Tablets**





Versatile CPU and OS Options



Seamless Wireless Connectivity



Rugged Reliability



High Productivity & High-capacity Battery

#### **Industrial Panel PCs**





Full Selections and Rich Functionalities



Rugged Design with IP66/IP65



Unique Modular System Design



Comprehensive Installation Accessories

#### **Industrial Monitors**





**Diverse Product Selections** 



High Durability with IP65



High Brightness and High Readability



Flexible Installation Options

### **Embedded Box Computers**





Comprehensive Range Offerings



Rugged Reliability with Heat Dissipation



Outstanding System Design



Rich I/O Interfaces Including PCI/PCIe

#### **Industrial Chassis and Motherboards**





Easy Setup for Your Custom Solution



Situable for Diverse Applications



Versatile Industrial Motherboards



With Multiple Expansion Slots

# Vertical Applications



### **Focus Vertical Applications**



Ports and Terminals



Field Mobility



Warehouses and Logistics



**Industrial Automation** 

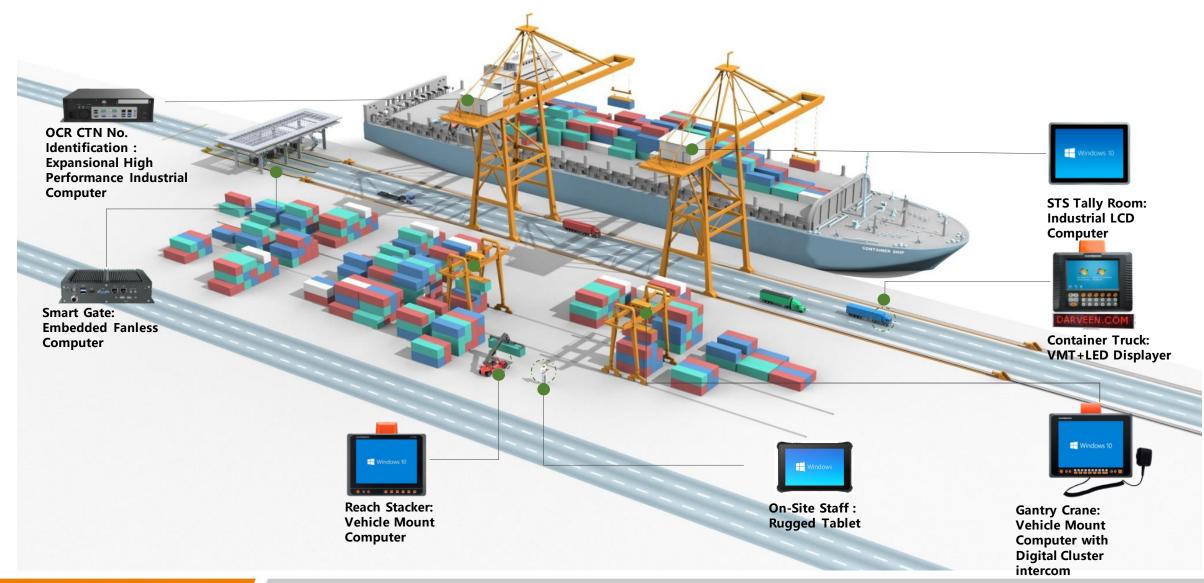


Intelligent Fleet Management



Intelligent Machine

### **Intelligent Container Port**

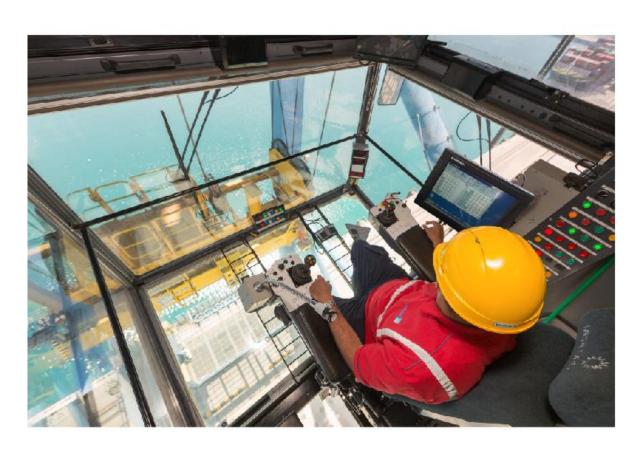


### **Container Truck Dual-display Solution**





### **RTG/RMG Operation Management**



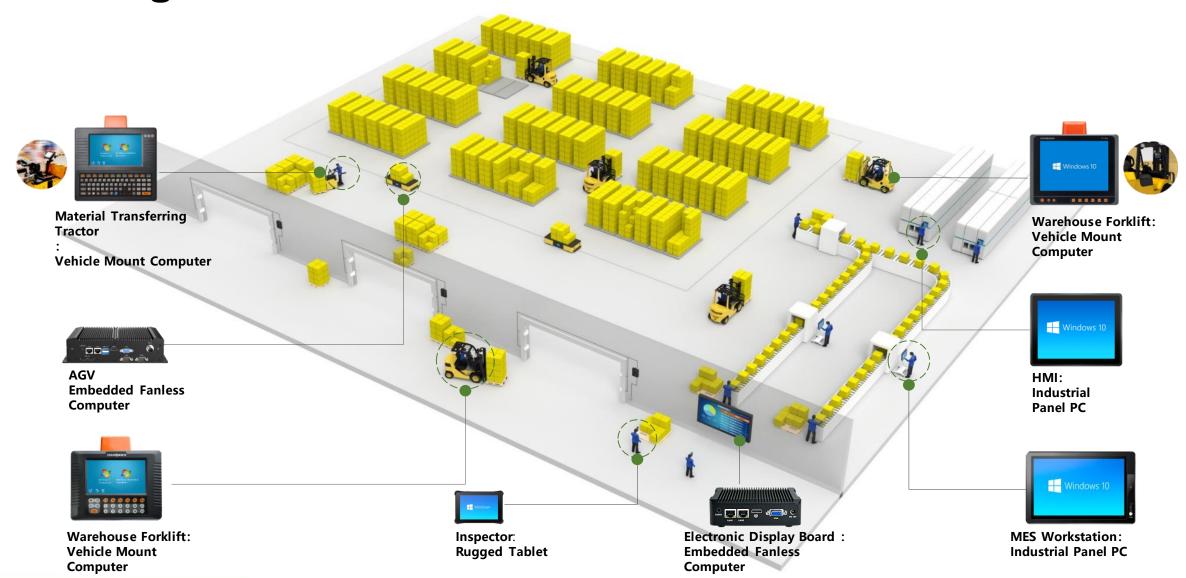


# **Digital Trunking & Data Communication**





### **Intelligent Warehouse**



### Forklift Computer with Weighting System

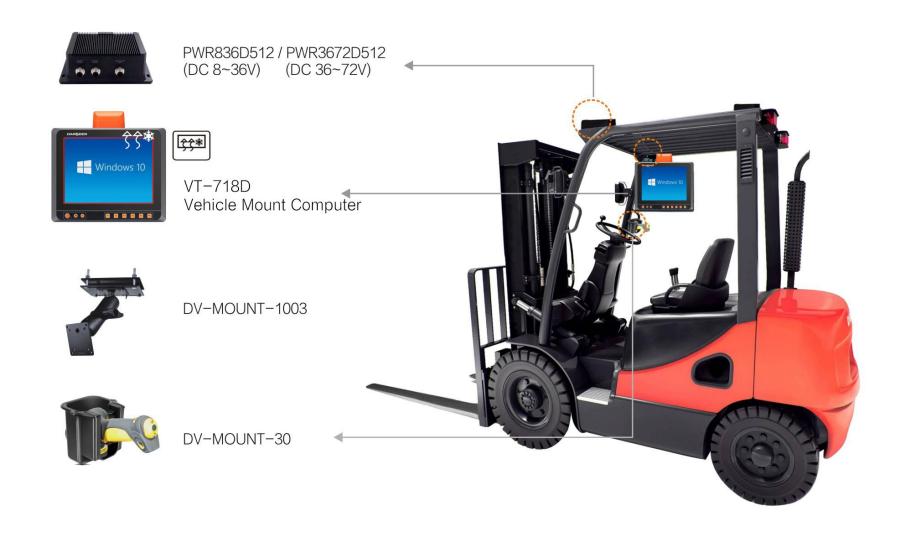


- All-in-one in-vehicle computer with touchable display.
- Mounting brackets supporting various forklift models.
- Supports forklifts with various battery capacities, such as 12V, 24V, 48V, 80V, and etc.
- Connect electronic weighing system via I/O ports, and the weighing system needs power supply.

#### Forklift Computers with RFID Reader



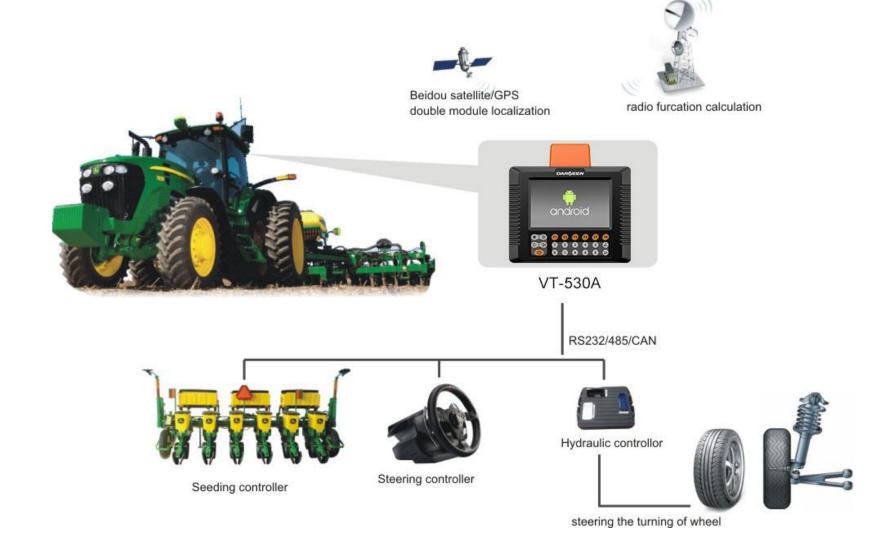
#### Forklift Computer with Barcode Scanner



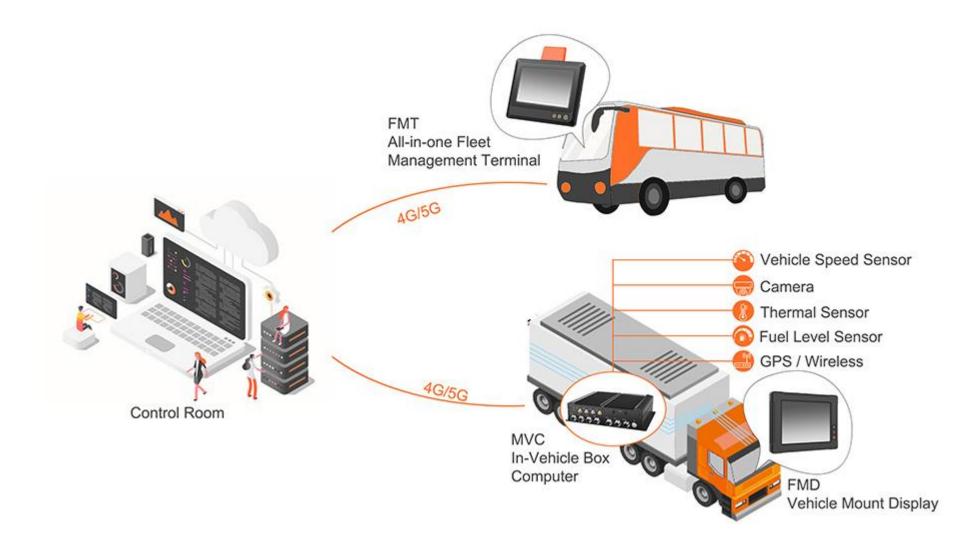
# **Mining Vehicle**



# **Agricultural Vehicle**



### Fleet Management



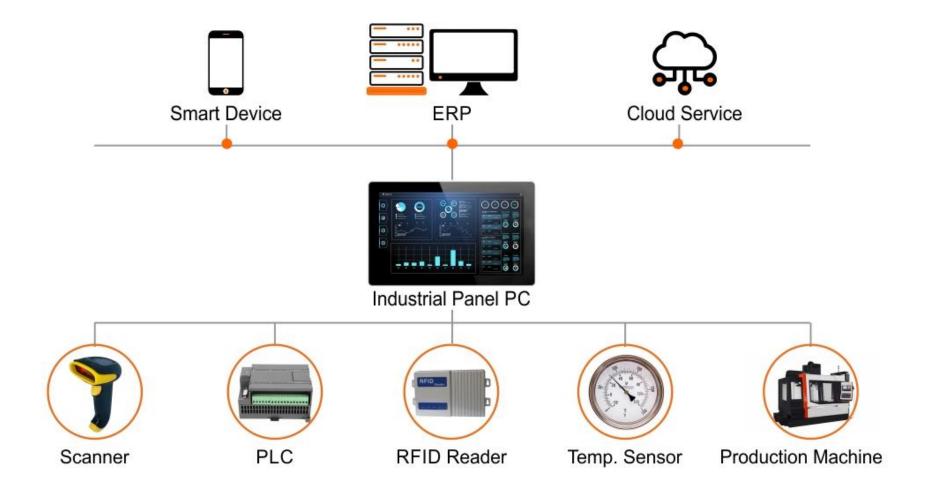
# **Bus Fleet Management**



# **Intelligent Manufacturing**



#### **Industrial Workstation**



### Stainless Panel PC for Food Processing



### **Industry and Equipment Automation**









**PCB** Printer

Magnetic Core Processing Machine

**Electric Control Cabinet** 

Laser Ablation Equipment







CNC



Central Control Cabinet in Textile Production

# **Rugged Tablet Applications**





Thank you!