

## Protector™ 5800 Industrial Workstation

### Features

- NEMA-4X class stainless steel construction for harsh environments
- Robust and responsive touchscreen interface
- No moving parts reduces failure modes
- Industrial computer for performing in temperature extremes
- Maintenance friendly
- Many mounting options for installation flexibility

### Business Benefits:

- Lower maintenance costs
- Long useful life
- Sanitation-friendly design allows thorough cleaning to prevent bacteria build-up
- Quick disconnects for fast installation and replacement

### Bringing powerful computing to the plant floor

The Protector 5800 is built from the ground up for high performance in corrosive, dusty, wet, hot and cold environments.

Striking a balance between performance and reliability, the Protector 5800 is suitable for mission-critical applications such as:

- In-motion weighing and labeling
- Mixed product weighing and labeling
- Complex data collection and WIP tracking
- Recipe management
- Weight compliance / process control

It is at home in industries where ergonomics, maintenance, and sanitation are of highest priority: meat, poultry, and fish processing, food packaging, pharmaceuticals, and chemical production.



### Reliability

Featuring a rugged design, a responsive touchscreen, and an industrial-grade computer with *no moving parts*, the Protector 5800 is designed for many years of reliable service. Carlisle has hundreds of systems installed in a variety of industries and operating environments to demonstrate their effectiveness.

### User-friendly interface

The Protector 5800 was designed to be tough, but also operator friendly. An easy-to-use touchscreen interface gives versatility and control to even the most complex plant-floor applications. The high precision touchscreen enables the user to quickly navigate their way through on-screen buttons and prompts even while using any type of gloves.

### Sanitation-friendly

A stainless steel enclosure keeps out moisture and dust, and resists corrosion. Coupled with a rugged touchscreen design that does not require an external membrane, the Protector 5800 is designed to allow regular cleaning processes to alleviate bacteria concerns.

### Compatibility

The Protector 5800's powerful yet efficient computer offers high performance while generating very little heat. The workstation can run a wide variety of operating systems, including Windows XP/embedded and other real-time environments.





### **Maintenance-friendly**

With washdown-rated quick-disconnect ports for peripherals such as printers, scanners, and scales, the Protector 5800 enables rapid installation and replacement by a spare unit in mission-critical environments. The interior of the unit is protected against tampering while being readily accessible for maintenance via tool-operated quick-release latches. The standards-compliant industrial computer allows rapid upgrades and repairs, keeping your facility running at peak performance.

### **Competitively priced**

The rugged design and high performance results in a very low total cost of ownership, promising many years of service in large or small facilities.

### **Warranty**

Carlisle Technology stands behind the quality of the Protector 5800 with a 1 year warranty against all manufacturing defects.

## Specifications

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### Operating Range

- Typically from -5C to +45C

### Display

- 15.1" (diagonal) LCD display, XVGA (1024 x 768 max resolution),
- High visibility with backlight, +/- 65 degrees minimum viewing angle

### Touchscreen

- High-precision 15" infra-red touchscreen (no membrane to catch bacteria)
- Strengthened, laminated glass with no mechanically sensitive components

### Design

- Moisture resistant, NEMA-4X class
- Designed to meet AMI sanitary design guidelines for food safety
- CSA electrical approval

### Construction

- 316L stainless steel fabrication
- 3/16" cold rolled 316L stainless steel bezel for stable interface in wide range of temperatures
- Dimensions: 15"H x 17"W x 8.5"D
- Mounting: Swivel mounting bracket for platform or wall mounting; optional ceiling mounts and industrial stainless steel workstands are also available
- Shipping weight: 47 lbs (21 kg)

### Connectivity

- Ethernet: 1 external 10/100Mbps port (quick disconnect, IP68)
- RS-232: 3 external serial ports (quick disconnect, IP68) – expandable up to 7 serial ports
- Wireless: 802.11 a/b/g connectivity (optional)
- USB ports x2
- Power: Requires 115 VAC computer grade (i.e. clean) power

### Industrial-grade computer

- Processor: 1.8GHz Pentium M
- Operating Range: Extended operating temperature of -40 C to +85 C
- Memory: 1 GB SDRAM standard
- Storage: 2.5", 2GB/4GB industrial compact flash drive (no moving parts, wide temperature range to keep data secure)
- Expansion: PC/104 and PC/104 Plus expansion connectors



## Related Products

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- [iCap](#) : Carlisle's powerful and flexible software for weighing, labeling, and data capturing
- [Protector 3800](#): Carlisle's affordable yet robust plant-floor workstation for use at low-medium demand data collection points.
- [Symphony](#) : Carlisle's suite of products that enables full product traceability and management visibility; it encompasses receiving (ingredients), WIP tracking (including mixing), packaging (weighing and labeling), inventory management, shipping, and reporting
- [Protector printer enclosures](#)  
Rugged and practical stainless steel enclosures to protect your investment in [Datamax-O'Neil](#) and other popular label printers

## About Carlisle Technology

With 25 years of experience installing successful in-plant solutions for the North American food processing industry, we understand the business.

We provide configurable, turn-key solutions to address *productivity, visibility and traceability*.

Customers large and small choose Carlisle when reliability is critical. We design robust software, and complement it with 24/7 service expertise to keep your plant running.



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