

Protector™ 5800 Industrial Workstation

Features

- NEMA-4X class design
- 316L stainless steel body construction for harsh environments
- Robust and responsive “glove-friendly” touchscreen interface
- Latest Intel® chipsets and Solid State Storage
- Industrial computer for performing in temperature extremes
- Scalable I/O for in-motion applications
- Maintenance friendly
- Flexible mounting options
- 1 Year Warranty

Business Benefits:

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



Powerful plant floor computing and in-motion control

The Protector 5800 is Carlisle’s top-of-the-line rugged and wash-down ready industrial touchscreen PC. It is engineered for years of reliable service in today’s harshest food plant environments. With a large, bright 15.1” touch screen, and scalable I/O options, the Protector 5800 is suitable for more compute-intensive 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

The Protector 5800 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 tough and responsive touchscreen, and industrial-grade computer components, the Protector 5800 is designed for many years of reliable service. Carlisle has thousands of units installed reliably performing production-centric operations in a variety of industries under some of the harshest operating environments possible.

User-friendly interface

The Protector 5800 was designed to be tough, but also easy-to-use. A bright, 15.1” interface gives versatility and control to even the most complex plant-floor applications. The high-precision touchscreen has no bacteria-trapping membrane, and enables the operator 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 multicore computer provides snappy performance while using very little power and thereby generating minimal heat. These workstations run the latest version of Microsoft® Windows® embedded for optimal application speed and compatibility.

Maintenance-friendly

With wash-down-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-based industrial computer allows rapid upgrades and repairs, keeping your facility running.

Rapid ROI

The rugged design and high performance results in a low total cost of ownership, and years of reliable service simply not available in traditional PC's.

Specifications*

Operating Environment

- Typically from -5° C to +45° C
- Moisture resistant, NEMA-4X class
- Designed to meet AMI sanitary design guidelines for food safety

Display

- 15.1" (diagonal) LCD display, XVGA
- High visibility with backlight

Touchscreen

- High-precision 15" infra-red touchscreen (no membrane to catch bacteria)
- Tough tempered safety glass

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 stands are also available

Industrial-grade computer

- Processor: Fast Intel® Dual Core Processor
- Memory: 4 GB standard
- Storage: 32GB industrial SSD
- Expansion: PC/104 and PC/104 Plus expansion connectors

Connectivity

- Ethernet: 1 external 10/100Mbps port (quick disconnect, IP68)
- RS-232: 3 external serial ports (quick disconnect, IP68)
- Wireless: 802.11 a/b/g connectivity (optional)
- USB Ports (3 internal, 1 external quick disconnect).

Power

- Power: Requires 115 VAC computer grade (i.e. clean) power

Optional Accessories

- Wireless communication
- Additional I/O as required
- Additional 3 serial ports as required

* All specifications are subject to change without notice.



About Carlisle Technology

For over 30 years, Carlisle Technology has been designing, implementing and managing successful in-plant productivity solutions across the North American food processing industry.

Our integrated hardware and software solutions are robust, scalable and configurable to address your specific *productivity*, *visibility* and *traceability* needs today, while providing a platform enabling tomorrow's growth.

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