# 1280 Enterprise™ Series

PROGRAMMABLE
INDICATOR/CONTROLLER
WITH COLOR TOUCHSCREEN

RICE LAKE®
WEIGHING SYSTEMS

800-472-6703
www.ricelake.com

# 1280 Enterprise™ Series

PROGRAMMABLE INDICATOR/CONTROLLER
WITH COLOR TOUCHSCREEN

# Unlimited Control. Infinite Possib

## Command the future with Rice Lake's 1280 Enterprise.

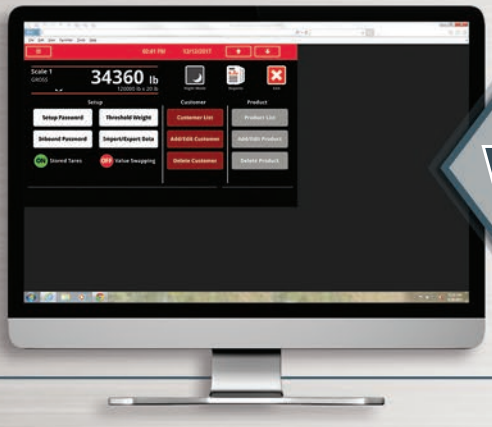
The 1280 Enterprise™ Series programmable indicator is an innovative powerhouse, delivering uncompromising speed for today's operations and expansive options for tomorrow's requirements. The 1280 is an event-based programmable controller with color touchscreen ideal for custom applications that combine signal processing, input/output control and network communications. Explore the potential, discover the power and unlock the possibilities.

## Built for Business

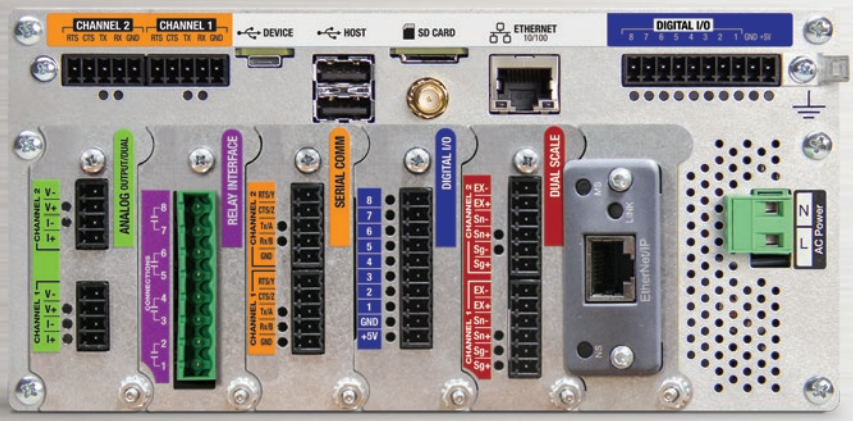
The 1280 is the definitive solution for complete business systems integration, shattering the barrier between operations and data. A durable color touchscreen with a seven-inch LCD display integrates data with real-time operations to leverage actionable information.

Crisp visuals bring instant access to frequently used functions. Program multiple screens with custom graphics and softkeys for an interface that is designed for your process.

*Web browser access for operation screens.*




Built-in
**Web Server**




*Integrate into any application with up to six option cards for extended functionality.*

*Resistive touch display can be used by operators wearing gloves.*

# bilities.

*12-inch screen touch-only*

*Easy-mount panel style requires only five drilled holes for installation.*

*7-inch screen touch-only*

1280

*Universal, wall and panel enclosures provide versatile installation options.*

## Fits Right In

**Modular design makes the 1280 a dynamic piece for the growth of any enterprise, and it is built tough to withstand even the harshest environments.**

- Universal, panel or wall mount
- Vibrant, 7- or 12-inch resistive touch display can be used by operators wearing gloves
- Industrial-grade components
- Stainless steel NEMA Type 4X enclosures
- IP69 protection for universal and panel mount

## Prolific Communication

**Unparalleled onboard capabilities allow seamless integration with existing equipment.**

- Standard Ethernet TCP/IP, Wi-Fi®, Wi-Fi Direct®, USB, RS-232/485 and RS-422/485
- Built-in web server creates a new dimension in remote access, systems integration and data monitoring
- Communicate with handheld devices, printers, PLCs or PCs over the network
- Create a custom database to store valuable information, including ID numbers, transactions, formulas, label formats and more

## Future Proof

**The 1280 Enterprise is a leap forward in technology, empowering your operation with control of today and command of the future.**

- Highly customizable graphical user interface
- Able to power up to eight scales
- Single or multi-range/interval weighing functions
- Programmable through iRite to store/retrieve data with an onboard database storage of 460 MB
- Limitless programmability
- Freescale i.MX6 processor takes multitasking to the next level
- Micro SD card (up to 32 GB) for custom boot-loading graphics, iRite applications and configuration files

## Room To Grow

**The 1280 utilizes real-time processing and achieves unprecedented multitasking performance. With industry-leading onboard capabilities, you may never need to add an option card; however, the 1280 is easily expandable.**

- The 1280 expands its capabilities with smart option cards, which allows for faster system performance
- Six smart card slots for additional scale channels, serial ports, digital inputs and outputs, analog outputs and protocol interfaces
- Advanced batch engine with latching for 24 setpoint conditions automates daily tasks and can handle even the most complex routines

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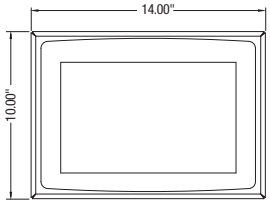
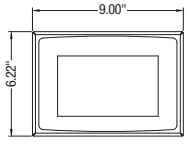
## STANDARD FEATURES

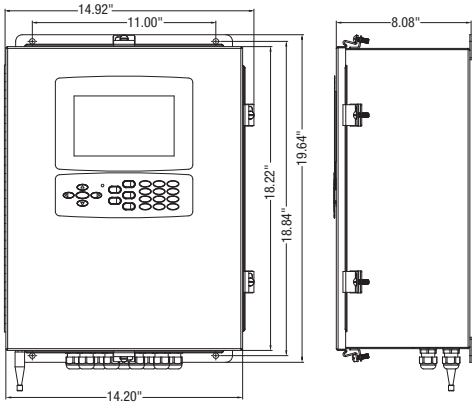
- Customizable color touchscreen with graphical user interface
- User-defined softkeys, icons and graphics
- Tactile keypad for scale operations, numeric entry and navigation
- On-screen keyboard available during entry mode (or external keyboard)
- Built-in web server for remote access, systems integration and data monitoring
- Multi-language operation and text entry
- Supports eight scales within five different kinds:
  - Analog load cell, multi-range/interval weighing
  - Total scale summing
  - Serial input scales
  - iQUBE$^2$ scales
  - Program scales
- Six smart card slots for additional scale channels, serial ports, digital inputs and outputs, analog outputs and protocol interfaces
- iRite™ Programming Software
  - Five built-in applications: Truck In/Out, Recipe Storage, Filling/Dosing, Counting, Checkweighing
  - Customizable user programs with event-based functions
  - 150 built-in functions for common processes & data tables
  - Customize and transfer data via email, FTP server and networked printers
  - Display data with line charts or bar graphs.
- Dual-port assignments for weight tickets, credit cards, smart pass, HID readers, etc.
- iRite reporting or iQUBE2 alerts
- Email, USB, Ethernet TCP/IP, Wi-Fi Direct®, two serial ports RS-232 or RS-485
- Alibi memory captures serial port transmissions
- Four configurable data-stream formats for PC, printers and remote displays
- 100 setpoints, 18 configurable setpoint types
- Eight digital I/O for control and pulse count
- Three different enclosure types: universal with tilt stand, panel mount and wall mount



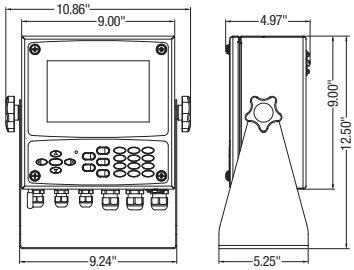

12-inch Panel Mount Touch-only



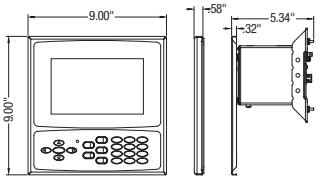

7-inch Panel Mount Touch-only




7-inch with Keypad Wall Mount




7-inch with Keypad Universal




7-inch with Keypad Panel Mount

## SPECIFICATIONS

| | |
|---|---|
| **POWER:** | AC voltages: 100-240 VAC; 50-60 Hz<br>DC voltages: 11-30 VDC<br>Consumption: 60 W |
| **EXCITATION VOLTAGE:** | 10 ± 0.5 VDC<br>16 x 350Ω or 16 x 700Ω load cells per A/D card |
| **ANALOG SIGNAL INPUT RANGE:** | -60 mV to 60 mV |
| **ANALOG SIGNAL SENSITIVITY:** | 0.3 µV/graduation minimum at 7.5 Hz–120 Hz<br>1.0 µV/graduation recommended |
| **A/D SAMPLE RATE:** | 7.5 to 960 Hz, software selectable |
| **RESOLUTION:** | Internal: 8 million counts/8,000,000<br>Display: 9,999,999 |
| **SYSTEM LINEARITY:** | ± 0.01% full scale |
| **DIGITAL I/O:** | Eight I/O channels on CPU board; optional serial ports: 24-channel I/O expansion boards available |
| **COMMUNICATION PORTS:** | Port 1 & 2: Full duplex RS-232 with CTS/RTS, RS-422/485<br>Baud Rate: 1200 to 115200<br>Port 3: USB 2.0 Device (Micro)<br>USB Host: (2) Type A Connectors max 500 mA<br>Ethernet: Wired 10/100 Auto-MDX<br>Ethernet: Wireless 802.11 b/g/n 2.4GHz |
| **ONBOARD:** | Selectable filters: Three stage, Adaptive or Damping<br>Embedded Linux® OS<br>8 GB eMMC (system use)<br>1 GB DDR3 RAM<br>460 MB onboard database (SQLite) storage<br>Up to 32 GB micro SD card (sold separately) |
| **DISPLAY:** | Seven-inch, 800 x 480 pixel, graphical color TFT display 500 or 1,000 NIT<br>Twelve-inch, 1280 x 800 pixel, graphical color TFT display 1,500 NIT |
| **KEYS/BUTTONS:** | 22-key membrane panel, tactile buttons, on-screen keyboard for text and numeric entry, USB port for flash drive, keyboard and printer |
| **TEMPERATURE RANGE:** | Certified: 14°F to 104°F (-10°C to 40°C)<br>Operating: -4°F to 131°F (-20°C to 55°C) |
| **WEIGHT:** | Universal enclosure: 11 lb (4.9 kg)<br>Panel mount enclosure: 8 lb (3.6 kg)<br>Wall mount enclosure: 23 lb (10.4 kg)<br>Panel mount 7 in touch-only enclosure:7 lb (3.1 kg)<br>Panel mount 12 in touch-only enclosure:10 lb (4.5 kg) |
| **RATING/MATERIAL:** | IP66 stainless steel wall enclosure<br>IP69K stainless steel universal and panel mount door |
| **WARRANTY:** | Two-year limited warranty |
| **EMC IMMUNITY:** | EN 50082 Part 2 IEC EN 61000-4-2, 3, 4, 5, 6, 8, and 11 |

## APPROVALS

*7" with keypad universal and wall mount*

*7" with keypad panel mount 7" and 12" touch-only*

SALES AND TECHNICAL ASSISTANCE


RICE LAKE WEIGHING SYSTEMS

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