



Hardware

The Keyboard Workstation 4 is an embedded point of sale terminal specifically targeted at operations with limited menus and ideally suited for indoor and outdoor concession stands in stadiums, arenas and amusement parks, as well as coffee/espresso carts and small quick service operations.

Featuring a daylight viewable, backlit operator display, robust keyboard, spill proof casework, and wide operating temperature range, the KWS4 is perfect for continuous outdoor usage in a wide variety of climates.



Back Office, Business Intelligence,
Customer Relationship Management,
Enterprise Support Solutions, Hardware,
Point-of-Service, Restaurant Operations,
Service Solutions

Benefits Overview

Reliable

- Solid-state design that is reliable and rugged
- Microsoft® Windows® CE 4.2 is a secure, lower-cost operating system
- Passively cooled and uses flash memory for mass storage
- Specifically designed for indoor/outdoor use

Diskless and Fanless

- No fans or hard drive make the KWS4 more reliable and less costly to run than traditional PC-based devices

Quiet

- The KWS4 has no moving parts, so there is no noise to announce its presence

Environmentally Friendly

- Compliant with the European Union Directive on Restriction of Hazardous Substance (RoHS) requirements and the latest Chinese environmental requirements
- The KWS4 requires less than ½ the energy of typical PC based devices, cutting power costs by 50%

Easy to Install and Service

- Pre-loaded with MICROS CAL (Client Application Loader) making installation as easy as plugging in a network and power cable
- Depot Friendly
 - Simple to swap with a handy spare
 - Removable “personality module” on an off-the-shelf compact flash card stores a record of key information
 - MICROS service providers pick up and repair the inactive workstation at your convenience

Compact

- The KWS4 can be placed or mounted to meet your specific needs and connected to a wide range of POS peripherals

Tight Integration

- The joint development of cohesive hardware, platform software, and application software results in an extremely robust, easy-to-use point-of-sale appliance

Automatic Upgrades

- Operating system and software upgrades can be performed automatically and unattended



KWS4

SPECIFICATIONS



Processor	<ul style="list-style-type: none"> ■ AMD Geode™ SC3200 <ul style="list-style-type: none"> • Integrated system on chip with Geode™ core
Operating System	■ Microsoft® Embedded Windows® CE .NET 4.2
Solid State Flash Storage	<ul style="list-style-type: none"> ■ 32 MB Socketed Disk on Chip (Expandable to 128 MB)
Volatile Memory	<ul style="list-style-type: none"> ■ Up to 256 MB PC133 SDRAM (Single DIMM Sockets) 128 MB Standard
Removable Flash Memory	<ul style="list-style-type: none"> ■ 256 MB Compact Flash - Standard 50 Pin Type 1 (Expandable to 1 GB)
Networking	<ul style="list-style-type: none"> ■ 10/100 BaseT on Board <ul style="list-style-type: none"> • Wake On LAN Supported
Operator Display	<ul style="list-style-type: none"> ■ Daylight Visible Transflective LCD <ul style="list-style-type: none"> • 240 x 64 Resolution
Keyboard	■ 108 keys
Power Supply	■ External, Universal Input / Auto-Switching
Integrated Magnetic Stripe Reader	■ 3 Track TTL Interface (internal)
Audio	■ Internal PC Beeper
Cash Drawer Ports	■ 2 – MICROS Cash Drawer Ports
Serial Port	■ 1 – 9 pin RS-232 Serial Port
Serial Port A	■ 1 – RJ45 MICROS IDN RS422/RS485/RS232 Switchable Port
Serial Port B	■ 1 – RJ45 MICROS IDN RS422/RS485/RS232 Switchable Port
Customer Display Port	■ 1 – External 4 Pin Mini-DIN Connector
USB Ports	■ 2 – External USB
Dimensions	■ 13.7" W x 11.7" D x 5.4" T
Weight	■ Approximately 6.00lbs (2.7kg) / Shipping 9.5lbs (4.3kg)
Enclosure	<ul style="list-style-type: none"> ■ Rugged ABS Plastic Blend, Spill Resistant Enclosure. (MICROS Grey) Passive Cooling (No fans)
Operating Temp	■ -10° C to 60° C (14° F to 140° F)
Certifications	■ FCC Class A, UL, CE, TUV, CCC





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