Mobile Computing Solution

Rugged, Multi-functional Wireless Computing

The SUMO Technologies Mobile Computing Tablets feature the integration of brilliant touch displays and high performance processing within slim, durable, and light designs. Developed for mobile computing and POS (point-of-sale and point-of-service) applications, the SUMO Technologies tablets embed peripherals that include smart card, magnetic stripe and RFID readers, Bluetooth, various wireless networking formats, cameras, scanners, and imagers.

The user and deployment experience is enhanced by a comprehensive suite of accessories and options in support of docking, mounting, battery management, sunlight viewable displays and a range of other POS-centric requirements. The major software operating systems facilitate the integration of the SUMO Technologies tablets into comprehensive POS systems.

Features

▶ High performance processors with low power consumption

▶ Support for Microsoft® Windows® Embedded Standard 7, Windows® XP Embedded; Windows® XP Pro for Embedded Systems; Windows® 7 Professional; Windows® Embedded POSReady 2009 (WEPOS)

▶ Bluetooth and Wi-Fi connection

Major Options[1]

▶ Sunlight-readable display

▶ Magnetic Stripe Reader (MSR); triple track readers (ISO TK1, 2 & 3), high-performance decoding with ultra-compact design

▶ RFID reader; complies with HF 13.56MHz, ISO standard 15693, 14443A(B) & Felica UID

▶ 2D barcode scanner; reads both 1D and 2D barcodes, extremely durable, integrated for hassle-free operation

▶ Front and back cameras; with auto focus, white balance, gain control and exposure control

▶ Smart card reader (half-slot); reads ISO 7816 T=0,T=1 ; EMV 2000 certified , 1.8V/3V/5V smart card

[1] = See specification for supported models

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Accessories

▶ **External Battery Pack**
Snap-on, hot swappable battery pack.
Doubles duration of mobile operation.
Li-ion, 28W.
(Not for the ST307)

▶ **6-Bay External Battery Charger**
Charges up to six External Battery Packs simultaneously.
Power supply is included.

▶ **External Battery Charger Kit**
Recharges the external battery pack "offline" without affecting usage of the device.
Power Supply is included.

▶ **Desktop Charging Cradle**
Docking support with ports for Power, 2 x USB and Ethernet.
Power supply is not included.

ST312 / ST362   ST390 / ST395

ST398

▶ **Wall / Vehicle Mount Cradle**
Wall / vehicle mountable lockable mount.
Support for Power, 2 x USB and Ethernet.
Power supply is not included.

▶ **Automobile Power Adapter**
Use with power outlets in vehicles to facilitate device usage and/or battery recharge.

▶ **Tablet Carry Case with Compact USB Keyboard**
Custom fitted for the protection, handling and usage of the Tablet.
Includes compact USB Keyboard (USA layout only)

▶ **Padded Shoulder Strap**
Padded for comfort, provides convenient mobile operation.
Strap is adjustable and can be attached to the Rubber Grips.

▶ **Plastic Tablet Handstrap**
Designed for secure handling and easy cleaning.

▶ **Screen Protectors**
Replaceable custom-fitted screen protectors shield your display screen from fingerprints, scratches and dust, while maintaining comfortable input.
10 sheets per package

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Specification	ST307SC	ST312	ST362	ST390	ST315CT	ST365	ST395	ST398B	ST398C
System	ST307SC	ST312	ST362	ST390	ST315CT	ST365	ST395	ST398B	ST398C
CPU	ARM 800MHz	Intel® Atom™ Z530, 1.6GHz			Intel® Atom™ Dual Core, 1.86GHz			Intel® Core™ i7, 1.7GHz	Intel® Celeron® Dual Core, 1.1GHz
RAM	512MB	2GB			4GB			4GB to 8GB	
Storage	4GB Flash	8GB to 256GB Flash		8GB to 64GB Flash	8GB to 256GB Flash			8GB to 256GB Flash	
Operating System	Microsoft® Windows® CE 6.0 or Windows® Mobile 6.X	Microsoft® Windows® Embedded Standard 7, Windows® 7 Professional, Windows® XP Embedded, Windows® XP Pro for Embedded Systems, Windows® Embedded POSReady 2009 (WEPOS) or Linux		Microsoft® Windows® Embedded Standard 7, 7 Professional, XP Embedded; XP Pro for Embedded Systems	Microsoft® Windows® Embedded Standard 7, 7 Professional, or Linux				
Display	7" LED-backlight screen with capacitive touch	10.4" LED-backlight screen with resistive touch; sunlight-readable option	8.4" LED-backlight screen with resistive touch; sunlight- readable option	8.9" LED-backlight screen with resistive touch; outdoor-viewable option	9.7" LED-backlight screen with capacitive touch; outdoor display option	8.4" LED-backlight capacitive touch screen; outdoor display option	9" LED-backlight screen with resistive touch, sunlight-readable	9.7" LED-backlight screen with resistive touch; sunlight readable options	
Display Resolution	480 x 800 (WVGA)	1024 x 768 (XGA)	800 x 600 (SVGA)	1024 x 600 (WSVGA)	1024 x 768 (XGA)	800 x 600 (SVGA)	1024 x 600 (WSVGA)	1024 x 768 (XGA)	
Network Interface	Wi-Fi 802.11a/b/g/n; Bluetooth 2.1	Wi-Fi 802.11a/b/g/n; Bluetooth 2.1 with EDR			Wi-Fi 802.11a/b/g/n; Bluetooth 3.0+HS				
Trusted Platform Module	N/A	N/A			TPM 1.2 support				
Control Switch and Buttons	1 power button and 1 trigger button	1 Power button, 7 Front buttons and 1 Trigger button			1 power button and 1 trigger button		1 power button, 7 front buttons, 1 trigger button and 1 Wi-Fi switch	1 power button, 3 side buttons, 1 trigger button and 1 Wi-Fi switch	
Indicator	1 power/ battery status LED, 1 WLAN active LED and 1 MSR indicator	1 Power/ Battery status LED and 1 WLAN active LED							
Speaker	Built-in speaker								
I/O Ports									
USB Port	1 USB 2.0, 1 mini USB	2	1	1	1	1	1	1 eSATA USB hybrid port	
Microphone-in	Internal microphone	1	1	Internal microphone	1	1	N/A		
Headphone-out	1	1	1	1	1	1	1	1	1
DC-in	1	1	1	1	1	1	1	1	1
Smart Card Reader	N/A	Half-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card (optional)		Half-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card	N/A		Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card		
SD Slot	Micro-SD x 1, up to 8GB	N/A			Yes, up to 64GB				

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Specification	ST307SC	ST312	ST362	ST390	ST315CT	ST365	ST395	ST398B	ST398C
System	ST307SC	ST312	ST362	ST390	ST315CT	ST365	ST395	ST398B	ST398C
Mechanical and Environmental									
AC/DC Adapter	Input: 100 – 240V AC; Output: 5V DC, 3A	Input: 100 – 240V AC; Output: 12V DC, 3.5A		Input: 100 – 240V AC; Output: 19V DC, 2.36A	Input: 100 – 240V AC; Output: 12V DC, 3.5A		Input: 100 – 240V AC; Output: 19V DC, 2.36A	Input: 100 – 240V AC; Output: 19V DC, 6.31A	
Battery Pack	Hot swappable battery, 3.7V, 4000mAh	Internal 7.4V, 2200mAh or 7.4V, 3760mAh/ Optional: external: 7.4V, 3760mAh		Internal 7.4V, 3760mAh/ Optional: External 7.4V, 3760mAh	Internal 7.4V, 3760mAh/ Optional: External 7.4V, 3760mAh			Internal 14.8V, 1880mAh/ Optional: External 14.8V, 1850mAh	
Enclosure	ABS + PC plastics, TPR	ABS + PC plastics and magnesium-aluminium alloy						ABS + PC plastics	
Stylus	N/A	Yes, non-electronic tip			N/A			Yes, non-electronic tip	
Protective Bumpers	Handstrap	Rubber grips with handstrap						Rubber bumpers on each corner with handstrap for handling protection	
Dimensions (H x W x D)	133 x 210 x 18 mm 5.24 x 8.75 x 0.7 in	210 x 261 x 18 mm 8.3 x 10.3 x 0.8 in	200 x 240 x 18 mm 7.9 x 9.6 x 0.8 in	196 x 256 x 32 mm 7.7 x 10 x 1.25 in	211.5 x 260 x 20.3 mm 8.3 x 10.2 x 0.8 in	240 x 200.5 x 35 mm 9.4 x 7.9 x 1.4 in	196 x 256 x 33.5mm 7.7 x 10 x 1.3 in	220 x 263 x 25.4 mm 8.7 x 10.4 x 1 in	
Weight	0.5 kg 1.1 lbs	0.93 kg 2.05 lbs	0.86 kg 0.9 lbs	1.1 kg 2.43 lbs	1.22 kg 2.69 lbs	1.1 kg 2.43 lbs	1.1 kg 2.43 lbs	1.4 kg 3.1 lbs	
Water and Dust Resistance	N/A			IP64 (*IP64 rating may not be applicable for units with module options)	IP54 front panel	N/A	IP65		
Vibration and Shock Resistance	N/A			MIL-STD-810G	N/A		MIL-STD-810G		
EMI and EMC Tolerance	N/A						MIL-STD-461F		
Regulatory	FCC Class B, CE, C-Tick, RoHS compliant								
Operating Temperature	Operation: 0°C – 40°C; Storage: -20°C – 60°C				Operation: 5°C – 35°C ; Storage: -20°C – 60°C	Operation: 0°C – 40°C; Storage: -20°C – 60°C	Operation: 0°C – 40°C (Upgrade option: -20°C – 50°C); Storage: -20°C – 60°C		
Humidity	0% – 90% non-condensing								
Major Options									
MSR	Triple track readers (ISO TK1, 2 & 3), JIS & AAMVA compliant						N/A		
Barcode Scanner	2D barcode scanner; Intermec omni-directional scanner, reads 1D also								
Camera	3M back camera with LED flash	2M pixels front and back cameras	2M pixels back camera	2M pixels front and back cameras, with LED flash (for back camera only)	5M back camera with LED flash		2M pixels front camera and 5M pixels back camera with LED flash		
RFID Reader	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1				N/A	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1	N/A	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1	
WWAN or GPS	N/A			3G module for HSPA+/WCDMA/EDGE/GPRS/GSM with GPS positioning and navigation					

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For more information, including pricing, availability and detailed features please look at our web site at www.sumotech.com or email sales@sumotech.com

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