

# Thin Client / Desktop Computing



## Modular Thin Platforms for Embedded Applications and Desktop Computing

The SUMO Technologies Embedded Controllers/ Systems offer low cost yet elegant solutions in robust packaging designed for flexibility in location and orientation. The compact design of the products is complemented by USB, networking, audio and display ports with available wireless options. A selection of operating system software offers optimal user experience for Internet/Intranet access and server-based computing.

## Features








- ▶ High performance and energy efficient processors
- ▶ Support for Microsoft® Windows® CE, Microsoft® Windows® Embedded Standard 7, Windows® XP Embedded; Windows® XP Pro for Embedded Systems; Windows® 7 Professional<sup>[1]</sup>

## Major Options








- ▶ Integrated Wi-Fi
- ▶ VESA Mount

[1] = See specification for supported models

## Thin Client / Desktop Computing

Specification							
System	ST166	ST168	ST160	ST135D	ST180T	ST180P	ST136
CPU	AMD Geode™ LX 800		1.5GHz x86	AMD Fusion Dual Core, 1.6GHz	Intel® Celeron® T3100, 1.9GHz	Intel® Core™ 2 Duo, 2.26GHz	Intel® Core™ i3 or i7
GPU	Integrated in the CPU		VIA CX700M	AMD Hudson	Intel® GM45		Intel® HM65
RAM	128MB or 512MB		512MB or 1GB	2GB to 4GB	2GB		4GB to 8GB
Storage	64MB or 1GB Flash; 160GB HDD		64MB to 16GB Flash; 160GB HDD	8GB, 32GB or 64GB Flash	8GB, 32GB or 64GB Flash		
Operating System	Microsoft® Windows® CE, Windows® XP Embedded, or Windows® XP Pro for Embedded Systems			Linux, Microsoft® Windows® XP Embedded or Embedded Standard 7	Microsoft® Windows® XP Embedded, XP Pro, Windows® Embedded Standard 7 or Windows® 7 Pro		Microsoft® Windows® Embedded Standard 7 or Windows® 7 Pro
TPM	N/A						TPM 1.2
Resolution	Up to 1280 x 1024			Up to 1920 x 1080			
Network Interface	10/ 100MB BaseT LAN; Wi-Fi 802.11a/b/g (optional)			10/ 100/ 1000MB BaseT LAN; Wi-Fi 802.11a/b/g/n (optional)			10/100/1000MB BaseT LAN x 2; Wi-Fi 802.11 a/b/g/n (optional)
<b>I/O Ports</b>							
Expansion	Mini PCI			PCI Express			
HDMI Connector	N/A			1		1*	
VGA	1		N/A		1		1*
DVI	N/A		1		N/A		1*
Display Port	N/A			1		N/A	
Audio Jack	2		3		2		
USB Ports	4				2		4
Serial / COM	N/A	2	N/A	2	1	2	
Parallel	N/A	1	N/A				1
PS/2	N/A						2
DC-in	1						2 (include Phoenix connector for 12-24V DC in)
Optional Ports	Wi-Fi dipole antenna			Wi-Fi dipole antenna/ Smart card reader	Wi-Fi dipole antenna		Wi-Fi dipole antenna/ Smart card reader

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Specification							
System	ST166	ST168	ST160	ST135D	ST180T	ST180P	ST136
<b>Mechanical and Environmental</b>							
<b>Fan / Fanless</b>	Fanless			Fan		Fanless	
<b>AC / DC Adapter</b>	Input: 100 – 240V AC; Output: 12V DC			Input: 100 – 240V AC; Output: 19V DC	Input: 100 – 240V AC; Output: 18.5V DC		Input: 100-240 V AC; Output: 18.5V DC / Phoenix: 12-24V DC, 3.5A
<b>Enclosure</b>	Aluminium chassis; ABS plastics end-caps		Aluminium chassis; Magnesium-aluminium end-caps	Aluminium + steel			
<b>Dimensions (H x W x D)</b>	35 x 140 x 130 mm 1.4 x 5.5 x 5.1 in	46 x 144 x 130 mm 1.8 x 5.7 x 5.1 in	43 x 140 x 130 mm 1.7 x 5.5 x 5.1 in	55 x 148 x 165 mm 2.16 x 5.82 x 6.5 in		70 x 250 x 200 mm 2.75 x 9.8 x 7.87 in	
<b>Weight</b>	400 g 0.88 lbs	660 g 1.45 lbs	544 g 1.2 lbs	1316 g 2.9 lbs		3160 g 6.97 lbs	
<b>Regulatory</b>	FCC Class B, CE, C-Tick, UL, RoHS compliant			FCC Class B, CE, C-Tick, RoHS compliant	FCC Class B, CE, C-Tick, UL, RoHS compliant		
<b>VESA Mounting Bracket</b>	Not Included			Included			
<b>Temperature</b>	Operation: 0°C – 40°C; Storage: -20°C – 60°C						
<b>Humidity</b>	0% – 90% non-condensing						

\* Support for up to two displays at one time (e.g. HDMI and VGA only, or VGA and DVI only)



For more information, including pricing, availability and detailed features please look at our web site at [www.sumotech.com](http://www.sumotech.com) or email [sales@sumotech.com](mailto:sales@sumotech.com)

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All specifications are subject to change without notice.

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