



S.G. INTERNATIONAL GROUP H.K. LIMITED

SHENZHEN SHUGUANG DIGITAL TECHNOLOGY CO., LTD.

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➤ x86 Rugged Tablet PC Product Guide (SG-2800)





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Rugged Classifications

Types	Consumer	Semi-rugged
Pictures		
Features	"Limited" Durability Desktop Replacement Higher Speeds & Feeds	Standard Electronics Semi-Rugged "By Design" Spill-Resistant Some Protected Electronics
Typical Workplace Environment	Typically Indoors Few Locations Desktop Replacement "Fixed Office" Wireless LAN	Typically Indoors Many Locations "Mobile Office" Wireless LAN/WAN
Typical User	Office Workers, Students	Field Sales, Public Safety, Supervisors/ Indoor Techs, Students, Government, Mobile Command
Types	Rugged	Ultra-rugged
Pictures		
Features	Rugged "By Design" Latest PC Features Durable Magnesium Case Protected Electronics	Ultra-Rugged "By Design" Maximum Field Ruggedness Maximum Environmental Specifications Application Specific Features Protected Electronics
Typical Workplace Environment	Typically In-Vehicle Cradled & Outdoor "No Office" Wireless LAN/WAN	Typically Semi -Outdoors "No Office"
Typical User	Outdoor Technicians, Public Safety, Front-line Military, Flight Line, Construction	Military, Hazardous Material Handlers, Utility/Energy Workers, Construction



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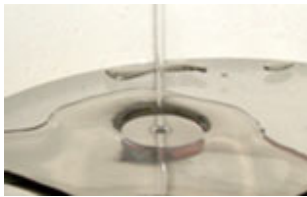
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▶ Reliability



Rain
IPX4/5



Dust
IP6x



Heat
+140°F/+60°C
MIL-STD-810F



Cold
-4°F/-20°C
MIL-STD-810F



Shock
3ft drop to concrete



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Rich Features for UMS-2800



Rich I/O

USB, RS-232, PCMCIA,
CF, Audio, Docking



Power Saving

Low power consumption
processor



Fanless

Low power consumption
processor



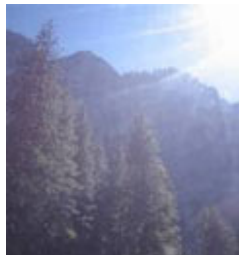
Wireless

802.11b/g WLAN,
Bluetooth v1.2, GPS



Keypad

Numeric keypads integrated
Programmable Keys



Display

High brightness sunlight
readable



OS

XP Pro, XP Embedded,
Windows CE. 5.0



High C/P

Efficient provided with high
C/P



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▶ Applications for Government Market

The graphic features a central circle with the text "Applications for Government Market" in orange. Surrounding this are several circular images representing different applications: Fleet Management (a white van), Field Service (a technician in a blue shirt), Outdoor Technicians (a person in a hard hat), Utility/Energy (a person working on a power line), Public Safety (a police officer), and Parking Citations (a person in a uniform). At the bottom, two rugged devices are shown: the SG-2700 (a monitor) and the SG-2800 (a tablet PC).



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Specification

- Operating System
 - Windows XP Embedded / Windows XP Professional / Windows XP Professional Embedded
- Processor
 - VIA Eden 1GHz (optional VIA Eden 1.5GHz ULV)
- Chipsets
 - VIA CX700M (with video acceleration)
- Memory
 - DDRII400 256MB on board or SO-DIMM support up to 1GB (Factory Option)
- Storage
 - Compact Flash Memory Card or 2.5" HDD
- Display
 - 10.4" SVGA/XGA Transmissive TFT LCD
- Touch Panel
 - 4-wire resistive touch panel
- Main Keyboard
 - Navigation Key + Function Key + Numeric Key + Power Button
- Wireless
 - 802.11b/g WLAN (miniPCI) module built-in with integral antenna Bluetooth class 2, v2.0+EDR built-in with integral antenna
- Audio System
 - CX700M build-in audio, use high definition external codec
- Main Battery
 - Swappable battery pack of 6 li-ion 18650 2400mAh cells (3S2P).
 - Support 3 hrs battery life (3 hrs benchmark)
- I/O Ports
 - 2x USB 2.0 host connector
 - 2x RS-232/422/485One
 - 1x VGA output
 - 1x CF Type II slot
 - 1x PCMCIA Type II slot, support CardBus 2.1
 - 1x Internal mono microphone
 - 1x Internal stereo speaker
 - 1x RJ45 for 10/100/1000Mb Ethernet
 - 1x RJ11 for 56kbps v.92/k56 flex modem
 - 1x audio jack for stereo headphone
 - 1x audio jack for microphone
 - 1x DC-In
 - 1x docking connector
- Power Adapter
 - Universal AC 90V ~ 265V, 47~63Hz input; 19V, 3.16 A output
- Physical
 - 310x236x42 mm, 2.61kg
- Environment
 - Operating Temperature -20°C to 60°C
 - Storage Temperature -40°C to +70°C
 - Operating Humidity 5% ~ 95%
- Rugged Spec.
 - IP64/5, 3 ft drop, MIL-STD-810F, MIL-STD-461E
- Compliance
 - CE, FCC, UL ,VCCI, SRRC, TUV, CCC
- Packing Information
 - 1x AC adaptor & power cord
 - 1x Stylus



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Packing / Ordering Inf.

Packing List

1 x AC adaptor & power cord	1 x Stylus
1 x Battery	

Ordering Information

Part No.	Description
SG-2800-CF	10.4" Rugged Tablet PC with VIA Eden 1GHz, 256 MB DDR, WLAN Bluetooth 2.0 and XP Embedded in 2GB CF storage.
SG-800-HD	10.4" Rugged Tablet PC with VIA Eden 1GHz, 256MB DDR, WLAN, Bluetooth 2.0 and XP professional Embedded in 40GB 2.5"HDD.