



21.5" Bus Signage Bundle

SCHW2150HB-MPC-BUS (Master with All in One PC)

Bus application Rugged Front IP65, Metal Chassis/Surface Mount, 21.5" LCD monitor, 1920 x 1080, 1000 nits, 9-36V DC input, 4mm chemically strengthened AR glass, Shock/Vibration mounting bracket Ceiling Bracket. Power Consumptions 60Watts Integrated with Intel Atom D2550 processor, 1.6GHz, Memory 4GB, 32 GB SSD, Windows 7 Pro 32 Bit, DVI x 1 + RS232 x 1 + USB x 2 + POWER x 1 + LAN x 1 with VGA CAT 5 Extenders – Master

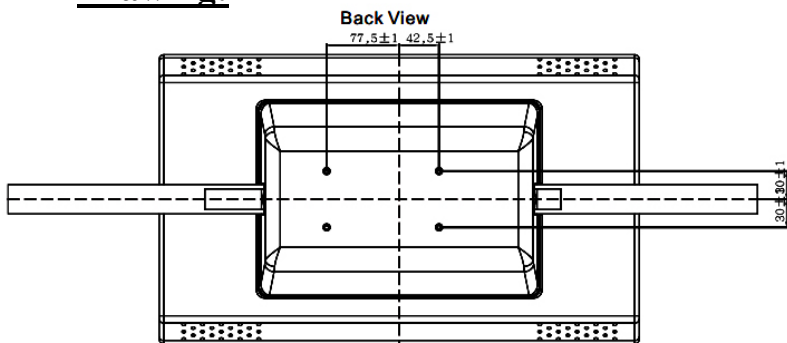
SCHW2150HB-S-BUS

Bus application Rugged Front IP65, Metal Chassis/Surface Mount, 21.5" LCD monitor, 1920 x 1080, 1000 nits, 9-36V DC input, 4mm chemically strengthened AR glass, Shock/Vibration mounting bracket Ceiling Bracket. Power Consumptions 60Watts Integrated with CAT5 VGA extender Point-to-Point CAT5 Extender Integrated Receiver inside our SCH unit. Supports high resolution clear video up to 1920x1200. Output reaches up to 1,000 feet (300m).- Slave

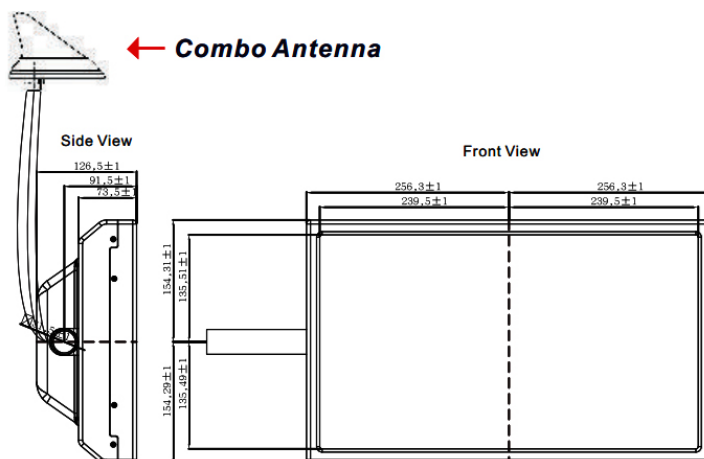
Standard Features:

- ABS Chassis Housing suitable used in bus
- Pole Mounting for easy installation in bus
- Built-in Wide Temp embedded PC
- Protection Glass
- Built-in CAT5 Transmitter for VGA/Audio
- 9-36V Wide Voltage Power Input
- 802.11 b/g Wireless Module Optional
- 3-in-1 external Antenna - 3 meter

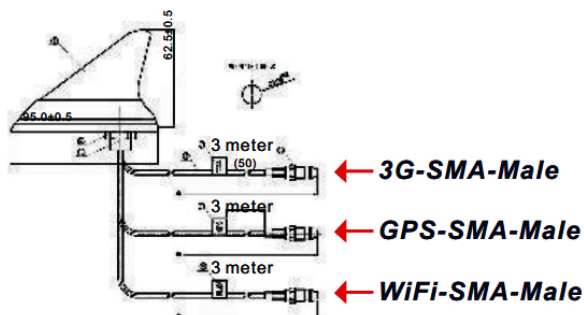
Drawing:



* Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.



Combo Antenna Spec:



← 3G-SMA-Male

← GPS-SMA-Male

← WiFi-SMA-Male

LCD Optical Spec:

• Active Display Area	: 476.64mm(H) x 268.11mm(V)
• Pixel Pitch	: 0.248(H)mm x 0.248mm
• Number of Pixels	: 1920 x 1080
• Contrast Ratio	: 3000:1(typ.)
• Display Color	: 16.7M(8bit/color)
• Brightness(cd/m ²)	: 300
• View Angle(CR>=10)	: -85~85(H);-80~80(V)

Environment Considerations:

• Operating Temperature	: 0 to 60°C without CPM -20 to 60°C with CPM
• Humidity	: 5-85%@50°C

Power Specifications:

• Power Consumption	: Approx:60W
• Power Input	: Terminal Block for 9~36V DC Input

Input/Output:

• Output	
Audio Output	: 2 x 2W speakers/Line out
Video Output	: Cat5 output to second display
• Network connection	: RJ45-10/100/Mbps WLAN 802.11b/g 3G Connection

PC Features:

- Intel® Atom D2550 Processor and NM10 onboard
- Selectable 12V/5V/RI with 1Amp driving current for COM ports
- Support LED display
- One DDR3 SO-DIMM support up to 4GB DDR3 1066MHz SDRAM
- Support dual display for VGA and LVDS

- Support cash drawer port
- One Mini-PCIe
- Onboard 8-bit Digital I/O, 4 bits of wide range input and 4 bits of buffer output
- All Japan brand of Capacitors
- Optional DC 12V Input and DC 12V Output COM

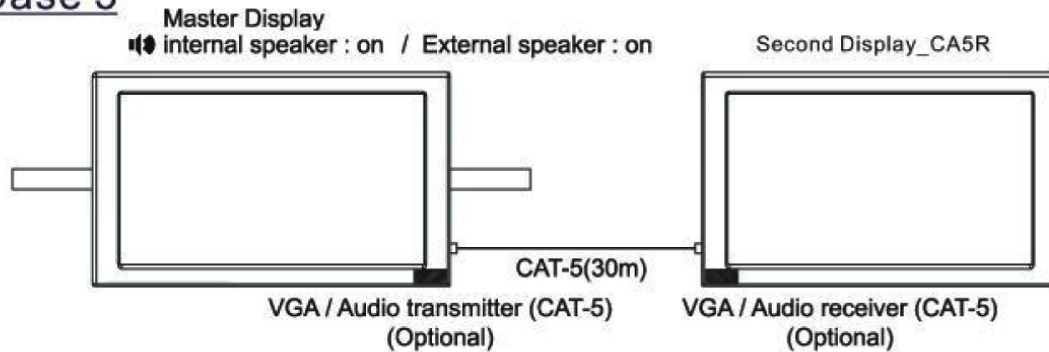
System Processor/Chipsets	
Processor	Intel® Atom processors D2550/ N2800/N2600 BGA
Chipset BIOS	NM10 AMI
Memory	
Technology Max	DDR3 1066 MHz SO-DIMM
Max. Capacity	Up to 4GB DDR3 SDRAM
Socket	1xDDR3 SO-DIMM
Display	
Chipset	Intel D2550 integrated
VARM	Share with system memory
Resolution	Analog Display: Up to 2048 x 1536
LVDS	24bit
LVDS Resolution	Dual Channel Up to 1920x1080
Dual Display	CRT+LVDS
Ethernet	
Interface	10/100/1000 Mbps
Controller	LAN: Realtek 8111E
Audio	
Interface	High Definition Audio Realtek
Controller	ALC269 HD CODEC
SATA	
Max. Data Transfer Rate	300 MB/s 2
Port	2
Expansion Slot	
mini PCIe	1
Onboard Connector	
VGA	1
USB 2.0	2
LVDS	18/24 bit
DIO	4 in/ 4 out
COM	4xRS232, all supply 5V&12V
SATA Power	2
Parallel	1
Mic In	1
Audio	1 (Line In, Line out, Mic In)
Fan	1x CPU FAN, 1xSYSTEM FAN
MSR	1
SATA	2x SATA Slot

Rear I/O	
PS/2	1
VGA	1
COM	1xD-SUB9(1xRS232/RS422/RS485) 1xRJ45 (RS232)
USB 2.0	4
LAN	1
Cash Drawer	1
DC 12V IN	1
DC 12V Output	1
Parallel	1
Line out	1
Power	
DC 12V Input	DC 12V Jack, DC 12V 4Pin connector
DC 12V Output	DC 12V Jack
Watchdog Timer	
Interval	Programmable 1~255 sec.
Output	Sytsystem reset
Environment	
Operating Temp.	-5°C~60°C (23°F~140°F)
Storage Temp.	-20°C~80°C (-68°F~176°F)
Relative Humidity	0%~95% (non-condensing)
Form Factor	
Dimension (LxW)	170mm x 170mm (6.69" x 6.69")



System Connection Diagram:

Case 3



* Internal speaker and line out on/off are controllable by MSO Gold.



Application Diagram

