Winsonic®
Product Solution Guide

IIOT
Technology is Making Life Smarter

Logicbus

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L215A-WH25L0-RT
21.5" Touch Monitor

Industrial
Monitor

CH2656
1920 x 1920

CH3405
2560 x 1080

16:9
1920 x 1080

21:9
2560 x 1080

With the stylish design and extra-small foot print, it creates more work space and pleasantness on the desk. It brilliantly presents crystal-clear images and text. Slim design, light weight and fast response time flat display monitor which support various manufacture standards as well as multitude of applications.

A rugged stand for your monitor

ST01	ST02	ST03	ST05

- Aluminum die-casting design
- Tilt to flat 3° ~ 79°

- VESA 75 x 75 mm, 100 x 100 mm supported

- Cable management
- Power adapter management

Specifications

Size	Model Number	Active Area	Native Resolution	Brightness/Contrast	Response Time	Viewing Angle	Power Consumption
4:3 Squire screen							
10.4"	L1043-SN35C0-RT	211.2(H) x 158.4(V)mm	800(H) x 600(V)	350cd/m²/400:1	≤35 ms	(H)140° (V)120°	20 watt
10.4"	L1043-XN40C0-RT	211.2(H) x 158.4(V)mm	1024(H) x 768(V)	400cd/m²/500:1	≤35 ms	(H)140° (V)120°	20 watt
12.1"	L1203-XN18C0-RT	245.8(H) x 184.3 (V)mm	1024(H) x 768(V)	180cd/m²/550:1	≤16 ms	(H)90° (V)65°	20 watt
12.1"	L1203-XN40C0-RT	245.8(H) x 184.3 (V)mm	1024(H) x 768(V)	400cd/m²/700:1	≤16 ms	(H)90° (V)65°	20 watt
15"	L1585-XN25C0-RT	304.13(H) x 228.10(V)mm	1024(H) x 768(V)	250cd/m²/600:1	≤12 ms	(H)130° (V)100°	20 watt
15"	L1585-XN40C0-RT	304.13(H) x 228.10(V)mm	1024(H) x 768(V)	400cd/m²/800:1	≤12 ms	(H)130° (V)100°	20 watt
17"	L1783-EN30C0-RT	337.92(H) x 270.34(V)mm	1280(H) x 1024(V)	300cd/m²/800:1	≤5 ms	(H)160° (V)160°	30 watt
17"	L1785-EN30C0-RT	337.92(H) x 270.34(V)mm	1280(H) x 1024(V)	300cd/m²/800:1	≤5 ms	(H)160° (V)160°	30 watt
19"	L1983-EN30C0-RT	376.3(H) x 301.1(V)mm	1280(H) x 1024(V)	300cd/m²/800:1	≤5 ms	(H)160° (V)160°	32 watt
19"	L1985-EN30C0-RT	376.3(H) x 301.1(V)mm	1280(H) x 1024(V)	300cd/m²/800:1	≤5 ms	(H)160° (V)160°	32 watt
16:9 Wide screen							
10.1"	L1016-WE20L0-RT	216.96(H) x 135.6(V)mm	1280(H) x 800(V)	200cd/m²/500:1	≤16 ms	(H)130° (V)110°	8.25 watt
10.1"	L1016-WU35L0-RT	216.81(H) x 135.5(V)mm	1920(H) x 1200(V)	350cd/m²/600:1	≤25 ms	(H)160° (V)160°	8.75 watt
15.6"	L1563-WX25C0-PCT	344.23(H) x 193.54(V)mm	1366(H) x 768(V)	250cd/m²/1000:1	≤8 ms	(H)90° (V)65°	15 watt
15.6"	L1565-WX25C0-PCT	344.23(H) x 193.54(V)mm	1366(H) x 768(V)	250cd/m²/1000:1	≤8 ms	(H)90° (V)65°	15 watt
17"	L17W3-WP40C0-RT	367.2(H) x 229.5(V)mm	1440(H) x 900(V)	400cd/m²/600:1	≤12 ms	(H)140° (V)120°	18 watt
17"	L17W5-WP40C0-RT	367.2(H) x 229.5(V)mm	1440(H) x 900(V)	400cd/m²/600:1	≤12 ms	(H)140° (V)120°	18 watt
18.5"	L1855-WX30C0-RT	409.8(H) x 203.4(V)mm	1366(H) x 768(V)	300cd/m²/1000:1	≤5 ms	(H)170° (V)160°	22 watt
21"	L215A5-WH25L0-RT	476.64(H) x 268.11(V)mm	1920(H) x 1080(V)	250cd/m²/1000:1	≤5 ms	((H)170° (V)160°	26.25 watt
24"	L241A3-WU30L0-RT	518.4(H) x 324.0(V) mm	1920(H) x 1200(V)	300cd/m²/1000:1	≤14 ms	(H)178° (V)178°	40 watt

Touch
Solutions

The stable removable base is engineered for the physical demands of everyday touch screen use. User friendly controls for easy adjustments. Now you can operate keyboard and mouse free, use your fingers and feel the power under your fingers. Suitable for POS display, information board, industrial field,medical and transportation applications.
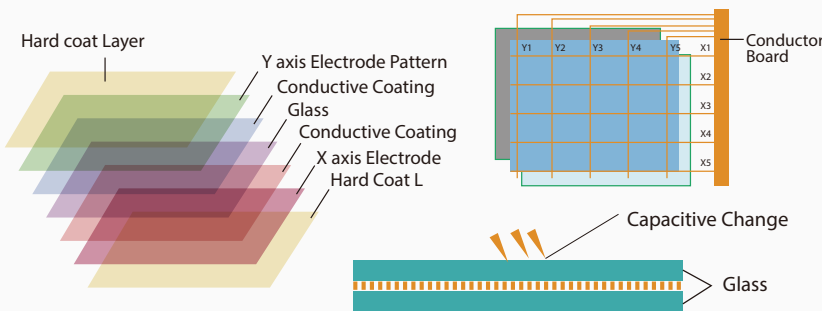
ZPM104A

ZPM150A

PCT Touch

Capacitive touch is base static electricity on inducting capacitive voltage. Capacitive touch screen contains two ITO layers, hard coat layers and two sensing arrays (X & Y). As X and Y arrays exist on different layers. When electrical inducted one of the arrays through the drive line then the other array and the circuitry will detects the values of capacitive. The controller sends electrical currents to the drive lines on different layers to create a specific nodes. When a finger touch the panel after that controller will catch the value of capacitive between nodes and drive line to point out exactly location.

- Long Life
- Excellent Optical Properties
- Multi-Touch
- Ease to Integrate

Now, the 10-point multi-touch PCT for 10.1", 13.3", 15.6", 18.5", 19", 21.5", 23", & 24" sizes are coming soon.

Hard coat Layer
Y axis Electrode Pattern
Conductive Coating
Glass
Conductive Coating
X axis Electrode
Hard Coat L
Conductor Board
Capacitive Change
Glass

## Analog Resistive Touch

Resistive technology is suitable for variety of applications and environments. Resistive Touch Panel is two transparent resistive ITO layers (conductive and resistive layers) consisting of a sensor.

Transparent Conductor ITO
+y
-x
+x
Conductive Bar
-y
Insulating Material (glass)
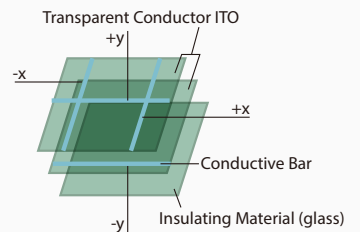
SAW Touch

Surface Acoustic Wave is used acoustic waves traveling over the surface. It contains substrate material, 4 transducers, the array of reflectors and attached to the beveled edge of the glass for X and Y axis. (2 for transmitting and 2 for receiving) Each of transmitting transducers (X and Y) is located at horizontal and vertical edges. Each of receiving transducers (X and Y) is located at the opposite edges. When the user touches screen, some of the energy is absorbed after that transmitting of X and Y will detect the reducing energy and response to receiving transducers of X and Y.

Y axis Transmitting
Y axis Receiving
X axis Transmitting
X axis Receiving
The pattern of reflectors
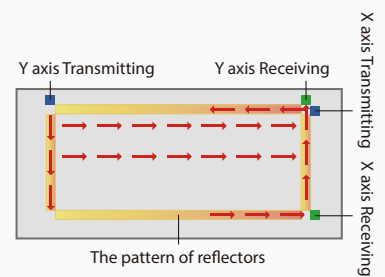
Infrared Touch

Infrared technology use on touch panel is consisted with rows of LEDs and transistors on each edge of touch frame. Each of light emitting diode creates light beam and sends to the other side of light detector. These light beams become an IR light grid. When IR light beams are interrupted on any location then the controller will calculate X distance and Y distance and then send exactly position to the computer.

Light emitting diodes
Light beams
Light emitting diodes
Light detectors
Light detectors
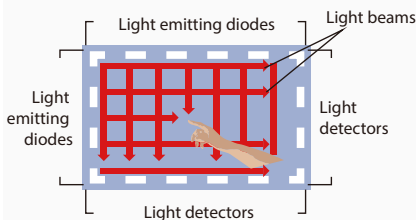
Optical Touch

Optical Touch panel is two optical sensors consisted with two reflectors and light source (LEDs). When an object interrupted the infrared lights and then the two optical sensors will induct any movement of object on the screen. The controller can be calculated X and Y and then send exactly position to the computer.

Optical Sensors
Reflectors
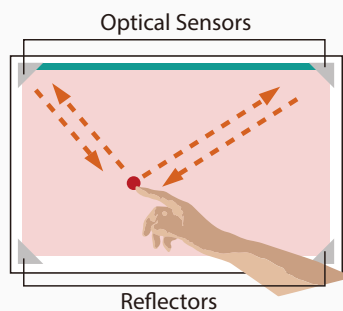
Metal**Housing**

Full range Industrial Monitor fit for different applications.

ZB
Zero Bezel

FM
Flush Mount

PM
Panel Mount

OF
Open Frame

CM
Chassis Mount

CH
Chassis

RM
Rack Mount

Size	Model Number	Active Area	Native Resolution	Brightness/Contrast	Response Time	Viewing Angle	Power Consumption
4:3 Squire screen							
5.7″	0576-VN40L0	115.2(H) x 86.4(V)mm	640(H) x 480(V)	400cd/m²/800:1	≤25ms	(H)160° (V)140°	8.25 watt
6.5″	0656-VN40L0	132.48(H) x 99.36(V)mm	640(H) x 480(V)	400cd/m²/500:1	≤25ms	(H)140° (V)120°	9.875 watt
8.4″	0846-SN35L0	170.4(H) x 128.8(V)mm	800(H) x 600(V)	350cd/m²/400:1	≤35ms	(H)140° (V)120°	8.68 watt
9.7″	0975-XN35L0	196.608(H) x 147.456(V)mm	1024(H) x 768(V)	350cd/m²/500:1	≤35ms	(H)140° (V)120°	8.3 watt
10.4″	1045-XN40L0	210.4(H) x 157.8 (V)mm	1024(H) x 768(V)	400cd/m²/1200:1	≤35ms	(H)176° (V)176°	9.375 watt
12.1″	1205-SN25L0	246.0(H) x 184.5(V)mm	800(H) x 600(V)	250cd/m²/600:1	≤35ms	(H)140° (V)120°	21.9 watt
12.1″	1205-XN35L0	245.76(H) x 184.32(V)mm	1024(H) x 768(V)	350cd/m²/700:1	≤20ms	(H)160° (V)160°	23.75 watt
15″	1505-XN25L0	304.13(H) x 228.10 (V)mm	1024(H) x 768(V)	250cd/m²/500:1	≤12ms	(H)130° (V)100°	20 watt
17″	1705-EN25L0	337.92(H) x 270.34(V)mm	1280(H) x 1024(V)	250cd/m²/800:1	≤5ms	(H)160° (V)160°	32.5 watt
19″	1905-EN25L0	376.3(H) x 301.1(V)mm	1280(H) x 1024(V)	250cd/m²/800:1	≤5ms	(H)160° (V)160°	32.5 watt
20.1″	2005-UN40L0	408(H) x 306(V) mm	1600(H) x 1200(V)	400cd/m²/800:1	≤8ms	(H)160° (V)160°	40 watt
21.3″	2135-QX80L0	433.152(H) x 324.864(V)mm	2048(H) x 1536(V)	800cd/m²/1200:1	≤25ms	(H)178° (V)178°	111.25 watt
23.1″	2316-UN40L0	470.4(H) x 352.8(V)mm	1600(H) x 1200(V)	400cd/m²/600:1	≤8ms	(H)160° (V)160°	117.5watt
26″	2625-SQ30L2	491.8(H) x 491.8(V)mm	1920(H) x 1920(V)	400cd/m²/600:1	≤8ms	(H)178° (V)178°	130.5watt
16:9 Wide screen							
7″	0706-WV40L0	152.40(H) x 91.44(V)mm	800(H) x 480(V)	400cd/m²/300:1	≤16ms	(H)120° (V)100°	9.625 watt
10.1″	1016-WS20L0	222.72(H) x 152.28(V)mm	1024(H) x 600(V)	200cd/m²/650:1	≤10ms	(H)90° (V)65°	8.75 watt
10.1″	1016-WE20L0	216.96(H) x 135.6(V) mm	1280(H) x 800(V)	200cd/m²/500:1	≤16ms	(H)130° (V)110°	8.75 watt
10.1″	1016-WX20L0	222.72(H) x 125.28(V) mm	1366(H) x 768(V)	200cd/m²/500:1	≤16ms	(H)90° (V)50°	8.25 watt
10.1″	1016-WU35L0	216.81(H) x 135.5(V) mm	1920(H) x 1200(V)	350cd/m²/600:1	≤25ms	(H)160° (V)160°	8.75 watt
12.1″	12W5-WE35L0	261.12(H) x 163.20 (V)mm	1280(H) x 800(V)	350cd/m²/350:1	≤15ms	(H)130° (V)115°	10 watt
15.4″	1545-WEA0L0	331.2(H) x 207.0 (V)mm	1280(H) x 800(V)	1000cd/m²/400:1	≤16ms	(H)90° (V)65°	17 watt
15.6″	1565-WX20L0	344.232(H) x193.536(V)mm	1366(H) x 768(V)	200cd/m²/500:1	≤8ms	(H)90° (V)50°	10.625 watt
17″	17W5-WPA0L0	367.2(H) x 229.5(V)mm	1440(H) x 900(V)	1000cd/m²/800:1	≤8ms	(H)130° (V)100°	11 watt
17.3″	1735-WH30L0	381.888(H) x 214.812(V) mm	1920(H) x 1080(V)	300cd/m²/500:1	≤8ms	(H)90° (V)50°	15 watt
18.5″	1855-WX25L0	409.8(H) x 230.4(V)mm	1366(H) x 768(V)	250cd/m²/1000:1	≤5ms	(H)170° (V)160°	22 watt
19″	19W5-WP25L0	408.24(H) x 255.15(V)mm	1440(H) x 900(V)	250cd/m²/1000:1	≤5ms	(H)170° (V)160°	30 watt
21.5″	2155-WH25L0	476.64(H) x 268.11(V)mm	1920(H) x 1080(V)	250cd/m²/1000:1	≤5ms	(H)170° (V)160°	26 watt
22″	2205-WM25L0	473.8(H) x 296.1(V)mm	1680(H) x 1050(V)	300cd/m²/1000:1	≤5ms	(H)170° (V)160°	36 watt
24″	2405-WH25L0	531.36(H) x 298.89(V)mm	1920(H) x 1080(V)	250cd/m²/1000:1	≤2ms	(H)170° (V)160°	50 watt
24″	2415-WU30L0	518.4(H) x 324.0(V)mm	1920(H) x 1200(V)	300cd/m²/1000:1	≤6ms	(H)178° (V)178°	85 watt
27″	2705-WH30L0	597.89(H) x 336.31(V)mm	1920(H) x 1080(V)	300cd/m²/1000:1	≤3.4ms	(H)178° (V)178°	35 watt
27″	2705-QD35L0	596.74(H) x 335.66(V)mm	2560(H) x 1440(V)	350cd/m²/1000:1	≤5.5ms	(H)178° (V)178°	100.5 watt
32″	3205-WX35L0	697.69(H) x 392.26(V)mm	1920(H) x 1080(V)	350cd/m²/2000:1	≤6ms	(H)178° (V)178°	130 watt
32″	3205-QD35L0	698.4(H) x 392.9(V)mm	2560(H) x 1440(V)	350cd/m²/3000:1	≤6ms	(H)178° (V)178°	145 watt
34″	3405-WF30L2	820.8 (H) x 361.0 (V)mm	2560(H) x 1080(V)	300cd/m²/3000:1	≤6ms	(H)178° (V)178°	175 watt
42″	4204-WH35L0	930.24(H) x 523.26(V)mm	1920(H) x 1080(V)	350cd/m²/3000:1	≤8ms	(H)178° (V)178°	202 watt
46″	4604-WH35L0	1018.08(H) x 572.67(V)mm	1920(H) x 1080(V)	350cd/m²/3000:1	≤8ms	(H)178° (V)178°	190 watt
50″	5004-WH35L0	1101.8(H) x 622.4(V) mm	1920(H) x 1080(V)	350cd/m²/3000:1	≤8ms	(H)178° (V)178°	280 watt
55″	5504-WH35L0	1209.6(H) x 680.4 (V)mm	1920(H) x 1080(V)	350cd/m²/3000:1	≤8ms	(H)178° (V)178°	400 watt
65″	6504-WH35L0	1428.48(H) x 803.52 (V)mm	1920(H) x 1080(V)	350cd/m²/3000:1	≤8ms	(H)178° (V)178°	630 watt

Medical

Winsonic provides to meet the rising demands for large-sized viewing and ultra-high definition, 27 / 32 / 42 / 55 / 65 / 75 / 85 inch LCD monitor 4K2K pixel resolution should attractive from video / graphics professionals.

The 4K2K monitor also benefits from a wide 178 degree viewing angle, the monitor is compatible with HDMI specifications, allowing for single cable PC connection. Each color is performed the finest precision, rich and liveliest colors in every detail.

MEDICAL DISPLAY

4K2K ultra resolution(3840 x 2160) for medical application 27", 32" … models available

Specifications

Size	Model Number	Active Area	Native Resolution	Brightness/Contrast	Response Time	Viewing Angle	Power Consumption
16:9 Wide screen							
27"	2705-QD35L0	596.74(H) x 335.66(V)mm	2560(H) x 1440(V)	350cd/m²/1000:1	≤6ms	(H)178° (V)178°	42.5 watt
32"	3205-QD35L0	698.4(H) x 392.9(V)mm	2560(H) x 1440(V)	350cd/m²/3000:1	≤6ms	(H)178° (V)178°	73.5 watt
32"	3205-QF30L0	698.4(H) x 392.85(V)mm	3840(H) x 2160(V)	300cd/m²/3000:1	≤9.5ms	(H)178° (V)178°	73.5 watt
42"	4204-QF35L0	919.29(H) x 517.104(V)mm	3840(H) x 2160(V)	350cd/m²/5000:1	≤9.5ms	(H)178° (V)178°	141.25 watt
55"	5504-QF35L0	1209.6(H) x 680.4(V) mm	3840(H) x 2160(V)	350cd/m²/4000:1	≤6.5ms	(H)178° (V)178°	160 watt
65"	6504-QF35L0	1428.48(H) x 803.52(V) mm	3840(H) x 2160(V)	350cd/m²/5000:1	≤6.5ms	(H)176° (V)176°	260 watt
75"	7504-QF35L0	1650.24(H) x 928.26(V) mm	3840(H) x 2160(V)	350cd/m²/4000:1	≤8ms	(H)178° (V)178°	340 watt
85"	8504-QF35L0	1904(H) x 1096(V) mm	3840(H) x 2160(V)	350cd/m²/1600:1	≤8ms	(H)178° (V)178°	408 watt

Open Frame

Chassis Mount

Chassis

Panel Mount

CHX4207

Chassis Stretched Display

Features

- High Brightness 1500-2500nits
- Sunlight Readable

Stretched Display

Our range of Stretched LCD Monitors are specially cut offering a super wide display format which offers an innovative and fresh approach to grab the public's attention. These stretched format display products, also known as BAR displays, are available in a variety of sizes and aspect ratios, with sunlight readable options, open frame models, making them an ideal solution for digital signage, gaming and wayfinding style applications.

Open Frame Stretched Display

Full IP66 Stretched Display

Specifications

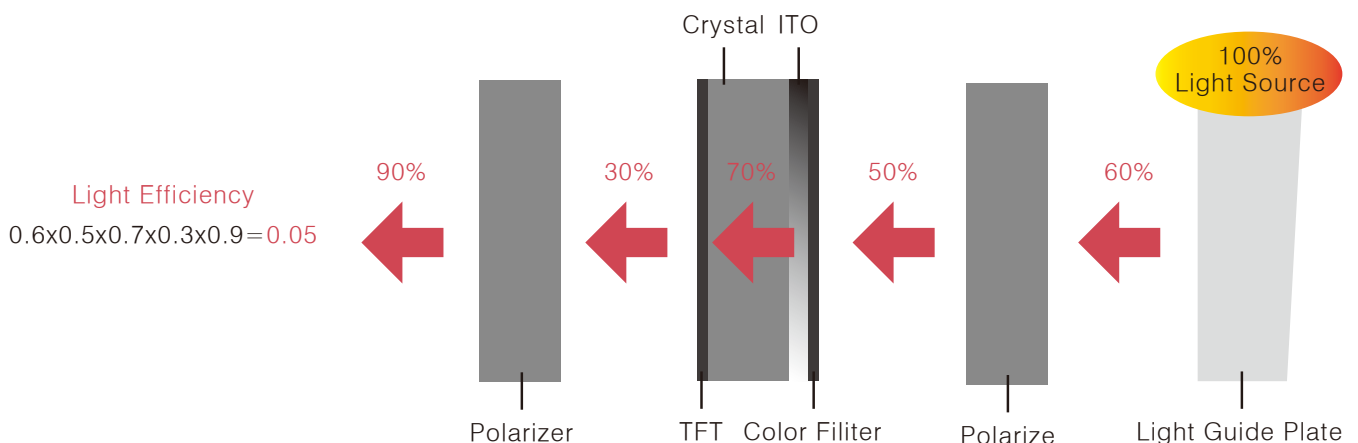| Size	Model Number	Active Area	Native Resolution	Brightness/Contrast	Response Time	Viewing Angle	Power Consumption
Chassis Stretched Display							
12.3", 1/2 Cut	CHX1237-X130C0	291.84(H) x 109.44(V)mm	1280(H) x 480(V)	300cd/m²/400:1	≤10 ms	(H)130° (V)110°	20 watt
15.1", 1/4 Cut	CHX1507-X430L0	376.32(H) x 72.91(V)mm	1280(H) x 248(V)	300cd/m²/2000:1	≤8 ms	(H)178° (V)178°	20 watt
19", 1/3 Cut	CHX1907-X330L0	473.76(H) x 96.44 (V)mm	1680(H) x 342(V)	300cd/m²/2000:1	≤8 ms	(H)140° (V)120°	30 watt
28", 1/3 Cut	CHX2807-X360L0	698.3(H) x 130.9(V)mm	1920(H) x 358(V)	600cd/m²/2000:1	≤8 ms	(H)178° (V)178°	30 watt
28.5", 1/2 Cut	CHX2857-X1A0L0	698.4(H) x 196.42(V) mm	1920(H) x 540(V)	1000cd/m²/5000:1	≤9 ms	(H)176° (V)176°	30 watt
37.9", 1/2 Cut	CHX3807-X150L0	930.24(H) x 243.219(V)mm	1920(H) x 502(V)	500cd/m²/1400:1	≤5 ms	(H)178° (V)178°	100 watt
38", 1/2 Cut	CHX3817-X1A5L0	930.24(H) x 260.66(V)mm	1920(H) x 538(V)	1500cd/m²/4000:1	≤8 ms	(H)176° (V)176°	100 watt
38", 1/2 Cut	CHX3827-X170L0	930.24(H) x 276.16(V)mm	1920(H) x 570(V)	700cd/m²/400:1	≤8 ms	(H)178° (V)178°	100 watt
42", 1/3 Cut	CHX4207-X150L0	1039.68(H)×259.92(V) mm	1920(H) x 480(V)	500cd/m²/3000:1	≤8 ms	(H)178° (V)178°	140 watt
Open Frame Stretched Display							
12.3", 1/2 Cut	OFX1237-X130C0	291.84(H) x 109.44(V)mm	1280(H) x 480(V)	300cd/m²/400:1	≤10 ms	(H)130° (V)110°	20 watt
15.1", 1/4 Cut	OFX1507-X430L0	376.32(H) x 72.91(V)mm	1280(H) x 248(V)	300cd/m²/2000:1	≤8 ms	(H)178° (V)178°	20 watt
19", 1/3 Cut	OFX1907-X330L0	473.76(H) x 96.44 (V)mm	1680(H) x 342(V)	300cd/m²/2000:1	≤8 ms	(H)140° (V)120°	30 watt
28", 1/3 Cut	OFX2807-X360L0	698.3(H) x 130.9(V)mm	1920(H) x 358(V)	600cd/m²/2000:1	≤8 ms	(H)178° (V)178°	30 watt
28.5", 1/2 Cut	OFX2857-X1A0L0	698.4(H) x 196.42(V) mm	1920(H) x 540(V)	1000cd/m²/5000:1	≤9 ms	(H)176° (V)176°	30 watt
37.9", 1/2 Cut	OFX3807-X150L0	930.24(H) x 243.219(V)mm	1920(H) x 502(V)	500cd/m²/1400:1	≤5 ms	(H)178° (V)178°	100 watt
38", 1/2 Cut	OFX3817-X1A5L0	930.24(H) x 260.66(V)mm	1920(H) x 538(V)	1500cd/m²/4000:1	≤8 ms	(H)176° (V)176°	100 watt
38", 1/2 Cut	OFX3827-X170L0	930.24(H) x 276.16(V)mm	1920(H) x 570(V)	700cd/m²/400:1	≤8 ms	(H)178° (V)178°	100 watt
42", 1/3 Cut	OFX4207-X150L0	1039.68(H)×259.92(V) mm	1920(H) x 480(V)	500cd/m²/3000:1	≤8 ms	(H)178° (V)178°	140 watt
Full IP66 Stretched Display							
12.3", 1/2 Cut	FCHX1237-X130C0	291.84(H) x 109.44(V)mm	1280(H) x 480(V)	300cd/m²/400:1	≤10 ms	(H)130° (V)110°	20 watt
15.1", 1/4 Cut	FCHX1507-X430L0	376.32(H) x 72.91(V)mm	1280(H) x 248(V)	300cd/m²/2000:1	≤8 ms	(H)178° (V)178°	20 watt
19", 1/3 Cut	FCHX1907-X330L0	473.76(H) x 96.44 (V)mm	1680(H) x 342(V)	300cd/m²/2000:1	≤8 ms	(H)140° (V)120°	30 watt
28", 1/3 Cut	FCHX2807-X360L0	698.3(H) x 130.9(V)mm	1920(H) x 358(V)	600cd/m²/2000:1	≤8 ms	(H)178° (V)178°	30 watt
28.5", 1/2 Cut	FCHX2857-X1A0L0	698.4(H) x 196.42(V) mm	1920(H) x 540(V)	1000cd/m²/5000:1	≤9 ms	(H)176° (V)176°	30 watt
37.9", 1/2 Cut	FCHX3807-X150L0	930.24(H) x 243.219(V)mm	1920(H) x 502(V)	500cd/m²/1400:1	≤5 ms	(H)178° (V)178°	100 watt
38", 1/2 Cut	FCHX3817-X1A5L0	930.24(H) x 260.66(V)mm	1920(H) x 538(V)	1500cd/m²/4000:1	≤8 ms	(H)176° (V)176°	100 watt
38", 1/2 Cut	FCHX3827-X170L0	930.24(H) x 276.16(V)mm	1920(H) x 570(V)	700cd/m²/400:1	≤8 ms	(H)178° (V)178°	100 watt
42", 1/3 Cut	CHX4207-X150L0	1039.68(H)×259.92(V) mm	1920(H) x 480(V)	500cd/m²/3000:1	≤8 ms	(H)178° (V)178°	140 watt

High Brightness

1000

Winsonic has continually been developing a sunlight readable LCD Display solution. The company offers a full range of high brightness / sunlight readable LCD display solutions to meet consumer demand. With more and more outdoor LCD Display applications in the marketplace, the readability & sustainability of the LCD panel under direct sunlight is becoming more vital. But there are several obstacles to overcome in order to provide a good LCD display solution under direct sunlight, such as the overheat issue, water-proof issue, readability issue, and the sustainability issue.

The factors that affect sunlight readability

Sunlight visibility of a display depends on the differences between the lumination (brightness) and the illumination
(ambient light shining on the display).
Because the TFT LCD display does not emit light, it needs an external light source (backlight) . The brightness of an LCD display is much less than the sun, which causes the LCD displays to barely be viewable in a bright environment, especially under direct sunlight.
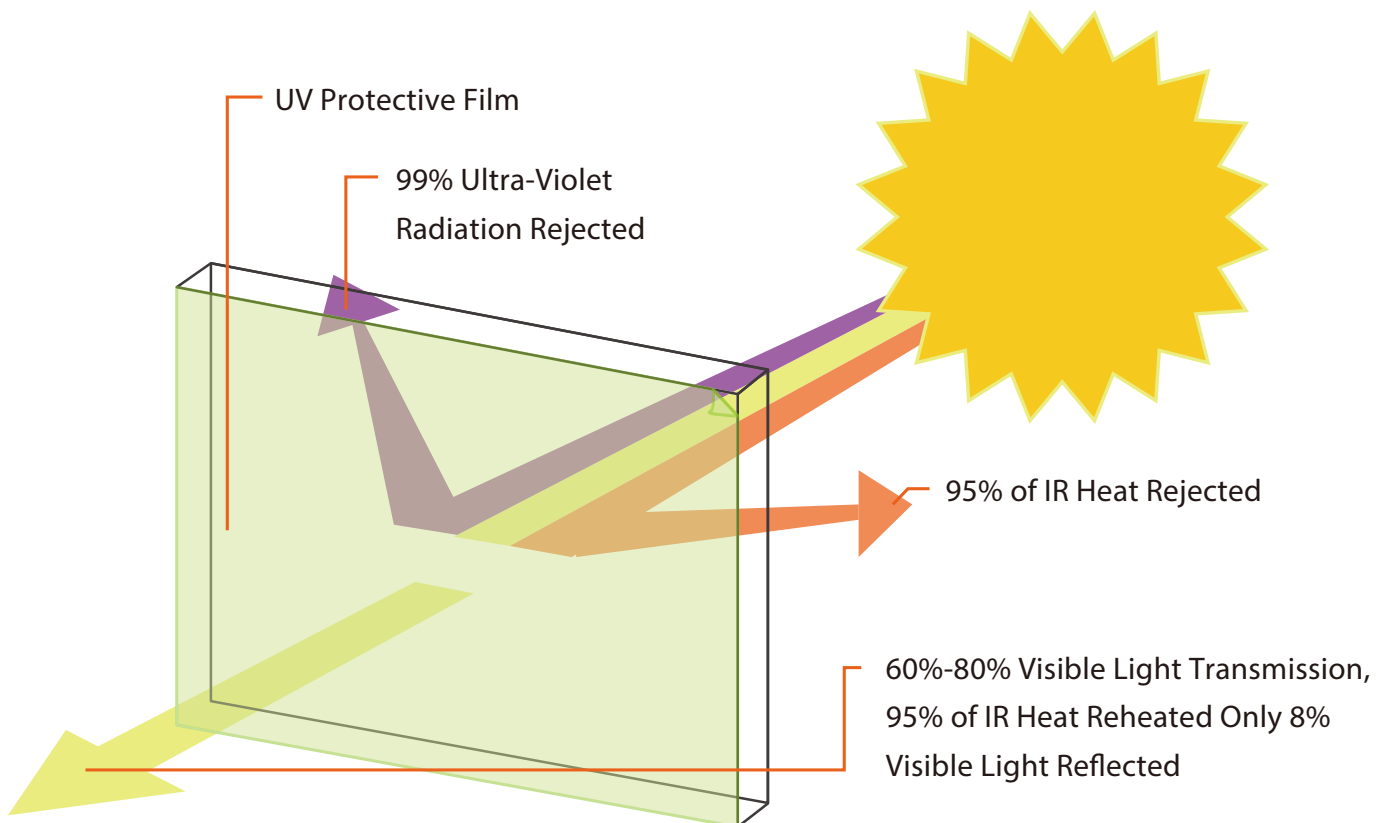
Light efficiency in each layer

Crystal ITO

100%
Light Source

Light Efficiency
0.6x0.5x0.7x0.3x0.9＝0.05

90%   30%   70%   50%   60%

Polarizer   TFT Color Filiter   Polarize   Light Guide Plate

Sun**light** Readable

– 2000 nits

1 High brightness LCD display monitors luminance up to 1500 nits ~ 2000 nits for superior performance in outdoor direct sunlight applications. These LCD displayers are available in large sizes.

2 With IP66 stainless enclosure, it provides complete protection against harmful water and dust.

UV Protective Film

99% Ultra-Violet Radiation Rejected

95% of IR Heat Rejected

60%-80% Visible Light Transmission, 95% of IR Heat Reheated Only 8% Visible Light Reflected

Water Resistance

IP65 Front

Protect the LCD monitor against everyday hazard with the IP65 water and dust proof front side enclosures. High degree of protection against rain, falling dirt, sleet, snow, dust and water means no more liquid spill or dust ingress to damage the display.
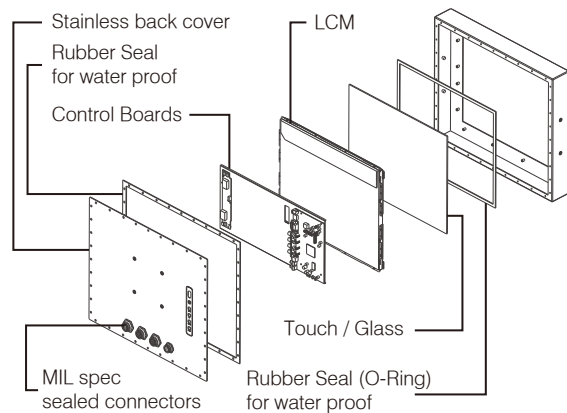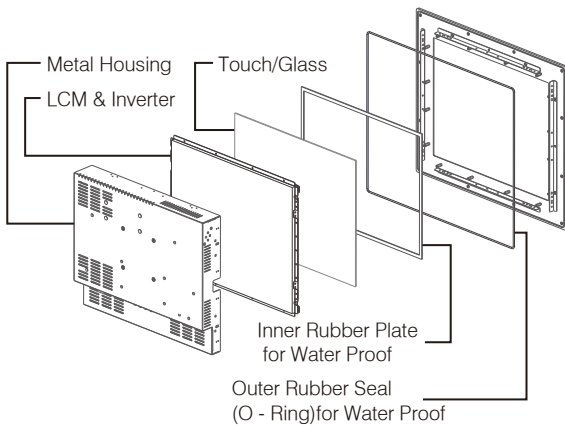
Full IP66

With IP66 Full Stainless, it provides complete protection against outside contact with internal electronic or electrical components, protection against harmful deposits of dust, and strong water jets being squirted from any direction against the enclosure. Available in sizes from 5.7" to 85"

Applications

Industrial & factory automation
Outdoor kiosk
Medical equipment
Yacht on-deck display
Shower room entertainment display

Outdoor kiosk
harsh industrial environment
Shower room display
Yacht on-desk display

Metal Housing — Touch/Glass
LCM & Inverter
Inner Rubber Plate for Water Proof
Outer Rubber Seal (O - Ring)for Water Proof

Stainless back cover — LCM
Rubber Seal for water proof
Control Boards
MIL spec sealed connectors
Touch / Glass
Rubber Seal (O-Ring) for water proof
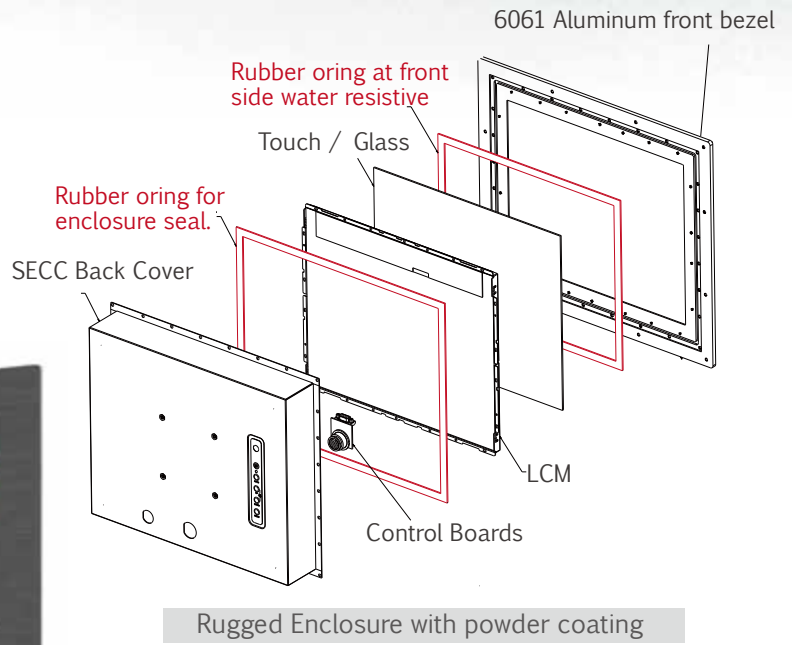
IP67

Totally protected against dust & the effects of temporary immersion to water between 15 cm and 1m. Duration of test 30 minutes.

15cm

1m

Panel Mount
IP66 Monitor

Winsonic offers all-around IP66 protection with ower coating showing mechanical stability and reliability.
Screen size available from 10.4"~24".

6061 Aluminum front bezel

Rubber oring at front side water resistive

Touch / Glass

Rubber oring for enclosure seal.

SECC Back Cover

LCM

Control Boards

Rugged Enclosure with powder coating

Full IP66
Yoke Mount

Rugged mount allowing swivel movement. Pipe cable management easy to protect all the cables.

Industrial Panel **PC**

Full range industrial Panel PC fit for different applications.

Zero Bezel

Chassis

Open Frame

Chassis Mount

Panel Mount

Full IP66 Chassis

Industrial All In One Panel PCI PC

Panel PC with PCI expansion slots that are fully functional for many industrial fields such as automation, transportation, and food & beverage market.
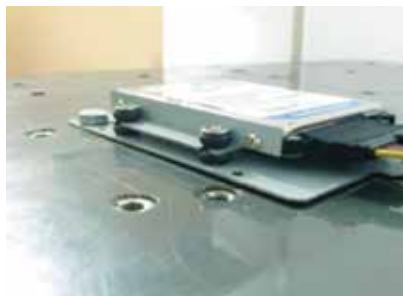
TFT LCD flat panel display

Bezel Protection

1 x PCI Slot (Low profile)
Panel PC with PCI expansion slots support TFT LCD flat panel display, front bezel protection.

Reduce vibration

Amplitude	0.20mm	0.25mm	0.35mm	0.50mm	0.75mm	1.00mm	1.25mm	1.50mm
55Hz	1.21g	1.52g	2.13g	3.04g	4.57g	6.09g	7.61g	9.14g
Result	V	V	V	V	V	V	X	X

• Reduce vibration to reduce case noise
• Simply attach to a standard 2.5" hard drive
• Silicon rubber construction

Fanless Panel PC

The Winsonic fanless panel PC comes with incredible customer service and is an all-in-one solution for interactive kiosks in hotels, airports, and public transports. Not to mention, the PC is perfect for retail signage displays in shopping malls and restaurants.

The panel PC looks wonderful in public, especially in areas where the PC is installed above eye-level locations in vertical orientation, such as digital menus in restaurants and exhibit displays in trade shows.

Running Windows 7 with testing software and CPU loading keeps at full loading 100%.

Thermal cycle testing: 30 ˚C / 40 ˚C / 50 ˚C / 60 ˚C. Winsonic also provides low power Intel® Atom™ processors, N270 and D525. These features not only reduce utility bills, but also increase the system's lifespan, effectively lowering the total cost!

Perfect Heat Conductive & Perfect Heat float

The thermal module helps by transferring internal energy to the outer heat sink.

Specifications

4:3 Squire screen

Size	Model Number	Active Area	Native Resolution	Brightness/Contrast	Response Time	Viewing Angle	Power Consumption
5.7"	0576-VN40L0	115.2(H) x 86.4(V)mm	640(H) x 480(V)	400cd/m²/800:1	≤25ms	(H)160° (V)140°	8.25 watt
6.5"	0656-VN40L0	132.48(H) x 99.36(V)mm	640(H) x 480(V)	400cd/m²/500:1	≤25ms	(H)140° (V)120°	9.875 watt
8.4"	0846-SN35L0	170.4(H) x 128.8(V)mm	800(H) x 600(V)	350cd/m²/400:1	≤35ms	(H)140° (V)120°	8.68 watt
9.7"	0975-XN35L0	196.608(H) x 147.456(V)mm	1024(H) x 768(V)	350cd/m²/500:1	≤35ms	(H)140° (V)120°	8.3 watt
10.4"	1045-XN40L0	210.4(H) x 157.8 (V)mm	1024(H) x 768(V)	400cd/m²/1200:1	≤35ms	(H)176° (V)176°	9.375 watt
12.1"	1205-SN25L0	246.0(H) x 184.5(V)mm	800(H) x 600(V)	250cd/m²/600:1	≤35ms	(H)140° (V)120°	21.9 watt
12.1"	1205-XN35L0	245.76(H) x 184.32(V)mm	1024(H) x 768(V)	350cd/m²/700:1	≤20ms	(H)160° (V)160°	23.75 watt
15"	1505-XN25L0	304.13(H) x 228.10 (V)mm	1024(H) x 768(V)	250cd/m²/500:1	≤12ms	(H)130° (V)100°	20 watt
17"	1705-EN25L0	337.92(H) x 270.34(V)mm	1280(H) x 1024(V)	250cd/m²/800:1	≤5ms	(H)160° (V)160°	32.5 watt
19"	1905-EN25L0	376.3(H) x 301.1(V)mm	1280(H) x 1024(V)	250cd/m²/800:1	≤5ms	(H)160° (V)160°	32.5 watt
21.3"	2135-QX80L0	433.152(H) x 324.864(V)mm	2048(H) x 1536(V)	800cd/m²/1200:1	≤25ms	(H)178° (V)178°	111.25 watt
23.1"	2316-UN40L0	470.4(H) x 352.8(V)mm	1600(H) x 1200(V)	400cd/m²/600:1	≤8ms	(H)160° (V)160°	117.5watt

16:9 Wide screen

Size	Model Number	Active Area	Native Resolution	Brightness/Contrast	Response Time	Viewing Angle	Power Consumption
7"	0706-WV40L0	152.40(H) x 91.44(V)mm	800(H) x 480(V)	400cd/m²/300:1	≤16ms	(H)120° (V)100°	9.625 watt
10.1"	1016-WS20L0	222.72(H) x 152.28(V)mm	1024(H) x 600(V)	200cd/m²/650:1	≤10ms	(H)90° (V)65°	8.75 watt
10.1"	1016-WE20L0	216.96(H) x 135.6(V) mm	1280(H) x 800(V)	200cd/m²/500:1	≤16ms	(H)130° (V)110°	8.75 watt
10.1"	1016-WX20L0	222.72(H) x 125.28(V) mm	1366(H) x 768(V)	200cd/m²/500:1	≤16ms	(H)90° (V)50°	8.25 watt
10.1"	1016-WU35L0	216.81(H) x 135.5(V) mm	1920(H) x 1200(V)	350cd/m²/600:1	≤25ms	(H)160° (V)160°	8.75 watt
12.1"	12W5-WE35L0	261.12(H) x 163.20 (V)mm	1280(H) x 800(V)	350cd/m²/350:1	≤15ms	(H)130° (V)115°	10 watt
15.4"	1545-WEA0L0	331.2(H) x 207.0 (V)mm	1280(H) x 800(V)	1000cd/m²/400:1	≤16ms	(H)90° (V)65°	17 watt
15.6"	1565-WX20L0	344.232(H) x193.536(V)mm	1366(H) x 768(V)	200cd/m²/500:1	≤8ms	(H)90° (V)50°	10.625 watt
17"	17W5-WPA0L0	367.2(H) x 229.5(V)mm	1440(H) x 900(V)	1000cd/m²/800:1	≤8ms	(H)130° (V)100°	11 watt
17.3"	1735-WH30L0	381.888(H) x 214.812(V) mm	1920(H) x 1080(V)	300cd/m²/500:1	≤8ms	(H)90° (V)50°	15 watt
18.5"	1855-WX25L0	409.8(H) x 230.4(V)mm	1366(H) x 768(V)	250cd/m²/1000:1	≤5ms	(H)170° (V)160°	22 watt
19"	19W5-WP25L0	408.24(H) x 255.15(V)mm	1440(H) x 900(V)	250cd/m²/1000:1	≤5ms	(H)170° (V)160°	30 watt
21.5"	2155-WH25L0	476.64(H) x 268.11(V)mm	1920(H) x 1080(V)	250cd/m²/1000:1	≤5ms	(H)170° (V)160°	26 watt
22"	2205-WM25L0	473.8(H) x 296.1(V)mm	1680(H) x 1050(V)	300cd/m²/1000:1	≤5ms	(H)170° (V)160°	36 watt
24"	2405-WH25L0	531.36(H) x 298.89(V)mm	1920(H) x 1080(V)	250cd/m²/1000:1	≤2ms	(H)170° (V)160°	50 watt
24"	2415-WU30L0	518.4(H) x 324.0(V)mm	1920(H) x 1200(V)	300cd/m²/1000:1	≤6ms	(H)178° (V)178°	85 watt
27"	2705-WH30L0	597.89(H) x 336.31(V)mm	1920(H) x 1080(V)	300cd/m²/1000:1	≤3.4ms	(H)178° (V)178°	35 watt
27"	2705-QD35L0	596.74(H) x 335.66(V)mm	2560(H) x 1440(V)	350cd/m²/1000:1	≤5.5ms	(H)178° (V)178°	100.5 watt
32"	3205-WX35L0	697.69(H) x 392.26(V)mm	1920(H) x 1080(V)	350cd/m²/2000:1	≤6ms	(H)178° (V)178°	130 watt
32"	3205-QD35L0	698.4(H) x 392.9(V)mm	2560(H) x 1440(V)	350cd/m²/3000:1	≤6ms	(H)178° (V)178°	145 watt
42"	4204-WH35L0	930.24(H) x 523.26(V)mm	1920(H) x 1080(V)	350cd/m²/3000:1	≤8ms	(H)178° (V)178°	202 watt
46"	4604-WH35L0	1018.08(H) x 572.67(V)mm	1920(H) x 1080(V)	350cd/m²/3000:1	≤8ms	(H)178° (V)178°	190 watt
50"	5004-WH35L0	1101.8(H) x 622.4(V) mm	1920(H) x 1080(V)	350cd/m²/3000:1	≤8ms	(H)178° (V)178°	280 watt
55"	5504-WH35L0	1209.6(H) x 680.4(V)mm	1920(H) x 1080(V)	350cd/m²/3000:1	≤8ms	(H)178° (V)178°	400 watt
65"	6504-WH35L0	1428.48(H) x 803.52 (V)mm	1920(H) x 1080(V)	350cd/m²/3000:1	≤8ms	(H)178° (V)178°	630 watt

x86 Fanless PC Available Size from 12" to 65"

Zero Bezel
A-series

PCAP Touch Monitor & Panel-PC

Operating Vibration Test: 10 to 25Hz (X,Y,Z direction 2G 30minutes)

- Zero Bezel, True Flat, Thin design
- IP65 Front water resistance

IP65 front

Zero Bezel

Clamp Mount
Narrow border
Thin design

- Available Size

  w7", w10.1", 10.4", 15", 17", 19", w21.5"

Boards & Power

Embedded main board, is wide range used in, industrial automation, telecommunication equipment, medical equipments, etc.

CB0M03-QM77

CPU	3rd Generation Core i7/i5/i3 22nm processors
BIOS	AMI
Graphic Chipset	Intel® QM77
System Memory	DDR3 SO-DIMM (w/o ECC), up to 8GB
I / O Ports	2 x Display port
	1 x VGA
	1 x COM
	2 x USB 3.0
	1 x LAN
Audio	N/A
HDD	2 x SATA
Expansion	1 x Mini PCIe
Operating Temperature	-5～60°C (23～140°F)
Storage Temperature	-20～80°C (-68～176°F)
Operating Humidity	0%～95% Relative Humidity, Non-condensing
Size	146mm x 102mm

CB0M05-BayTrail

CPU	Intel® Atom Baytrail-M/D Chipset
BIOS	UEFI
Graphic Chipset	Intel® Celeron J1900
System Memory	Single Channel DDR3L 1333 MHz SDRAM
I / O Ports	1 x COM (RS-232/422/485), 3 x COM (RS-232)
	1 x HDMI, 1 x D-Sub
	1 x Dual Channel 24-bit LVDS
	2 x USB 3.0, 6 x USB 2.0, 2 x SATA2
	Gigabit LAN : 2 x Realtek Lan
Audio	1 x Line out
HDD	2 x SATA
Expansion	1 x SO-DIMM
Operating Temperature	-5～60°C (23～140°F)
Storage Temperature	-20～80°C (-68～176°F)
Operating Humidity	0%～95% Relative Humidity, Non-condensing
Size	146mm x 102mm

CB0J07-BayTrail

x86 Platform - Mini-ITX

CPU	Intel® Atom™ Baytrail-M/D Processor
BIOS	UEFI
Graphic Chipset	Intel® Gen7 Intel® Graphics DX 11*, OGL3.2
System Memory	Dual Channel DDR3 1333 MHz SDRAM
I / O Ports	1 x VGA, 1 x HDMI
	3 x COM
	1 x K/B, 1 x Mouse
	2 x USB 2.0, 2 x USB 3.0
	2 x LAN
Audio	Mic-in, Line-out
HDD	2 x SATA
Expansion	1 x PCI (PCI Rev. 2.3 Compliant), 1 Mini PCIex1
Operating Temperature	0～60°C (32～140°F)
Storage Temperature	-40～75°C (-40～167°F)
Operating Humidity	0% ～90% Relative Humidity, Non-condensing
Size	170mm x 170mm

CB0J08-H61

x86 Platform - Mini-ITX

CPU	Intel® Core i7/i5/i3/Celeron
BIOS	UEFI
Graphic Chipset	Intel® H61 Chipset
System Memory	DDR3 1600MHz, 2 x SO-DIMM, up to 16GB
I / O Ports	1 x VGA, 1 x HDMI
	2 x COM
	1 x K/B
	6 x USB 2.0
	2 x LAN
Audio	Mic-in, Line-out
HDD	4 x SATA
Expansion	1 x Mini PCIe
Operating Temperature	-5～60°C (23～140°F)
Storage Temperature	-20～80°C (-68～176°F)
Operating Humidity	0% ～95% Relative Humidity, Non-condensing
Size	170mm x 170mm

CB0J0E-H81
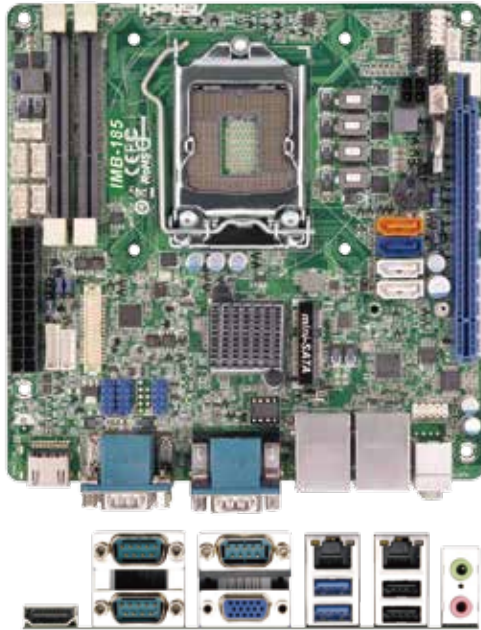
CPU	Socket LGA1150 for Intel Core i7/i5/i3/Celeron
BIOS	UEFI
Graphic Chipset	Integrated Intel® HD Graphics Built-in Visuals
System Memory	Dual Channel DDR3 1066/1333/1600 MHz SDRAM
I / O Ports	1 x VGA, 1 x HDMI
	3 x COM
	1 x 24 bit Dual Channel LVDS
	2 x USB 2.0, 2 x USB 3.0
	2 x LAN
Audio	Mic-in, Line-out
HDD	2 x SATA
Expansion	1 x PCI (PCI Rev. 2.3 Compliant), 1 Mini PCIex1
Operating Temperature	0～60°C (32～140°F)
Storage Temperature	-40～75°C (-40～167°F)
Operating Humidity	0% ～90% Relative Humidity, Non-condensing
Size	170mm x 170mm

CB0J0G-Skylake

|	
CPU	Intel® Core i7 / i5 / i3 / Celeron® (Skylake-S)
BIOS	UEFI
Graphic Chipset	Intel® Gen9 Intel® Graphics DX 11/12
System Memory	2 x DDR4 SO-DIMM slots, up to 32GB 2133MHz
I / O Ports	1 x HDMI, 1 x Display port
	4 x USB 3.0
	2 x LAN
Audio	Mic-in, Line-out
HDD	2 x SATA
Expansion	1 x Mini PCIe
Operating Temperature	-5～60°C (23～140°F)
Storage Temperature	-20～80°C (-68～176°F)
Operating Humidity	0% ～95% Relative Humidity, Non-condensing
Size	170mm x 170mm

Boards & Power

Embedded main board, is wide range used in, industrial automation, telecommunication equipment, medical equipments, etc.

CB0M04-A20
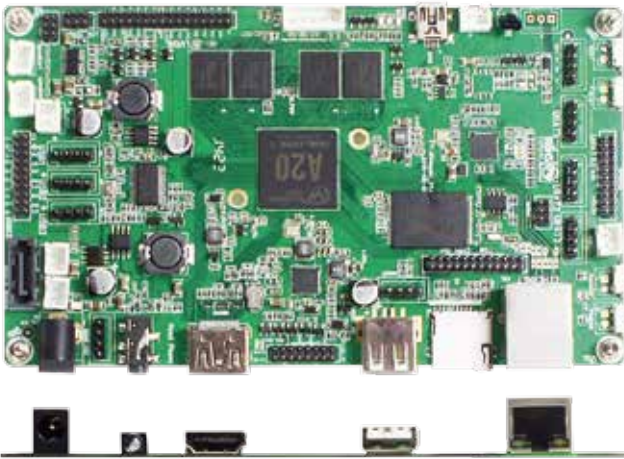
CPU	ARM® Cortex™-A7 Dual-Core
BIOS	N / A
Graphic Chipset	N / A
System Memory	Memory 1GB DDR3 @960M
I / O Ports	1 x HDMI
	1 x USB 2.0
	1 x mini-SD slot
	1 x LAN
Audio	1 x Audio out
HDD	1 x SATA
Expansion	1 x Mini PCIe
Operating Temperature	-5～60°C (23～140°F)
Storage Temperature	-20～80°C (-68～176°F)
Operating Humidity	0% ～95% Relative Humidity, Non-condensing
Size	153mm x 89mm

CB0P01-S5P6818

CPU	ARM Cortex™ A 53 Octa Core
BIOS	N / A
Graphic Chipset	N / A
Main Memory	2GB DDR3 @960M
I / O Ports	1 x HDMI
	2 x USB 2.0
	1 x Micro SD
	1 x RJ45
	1 x Audio
Card reader	SD card reader
Operating Temperature	-10～50°C (5～85°F)
Storage Temperature	-20～80°C (-68～176°F)
Operating Humidity	0% ～95% Relative Humidity, Non-condensing
Size	153mm x 89mm

PDDI001-W12-80
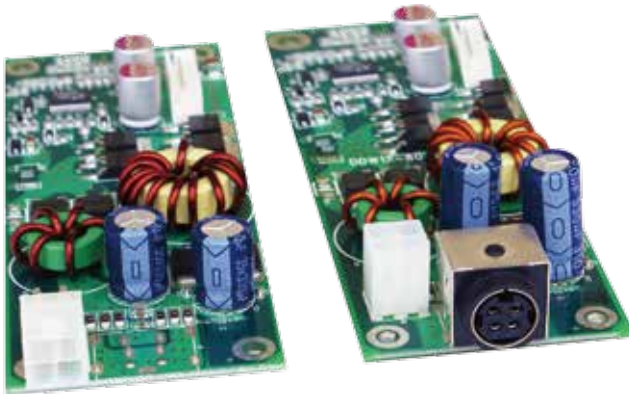
Input Voltage	9V to 36V DC
Output Voltage	12V DC
Load Range	6.6A
Power Consumption	80W
Ripple And Noise	Less than 120mV
Line Regulation	Less than 1% at rated load with 9V~36V input
Load Regulation	Less than ±5%
Efficiency	>80% at full load
Altitude	0 to 10000ft
Protection	OCP protection >8A
Operating Temp.	0°~50° C
Storage Temp.	- 20°~70° C
Humidity	10~90% non-condensing
Dimension	120x45x17

PDDI002-W12-80-ISO

Efficiency	See Table
Isolation Voltage	1500 VDC min.
Switch Frequency	330KHz
Isolation Resistance	108 Ohms min.
Over temperature shutdown point	120°C typ.
Operation Temperature	-40°C to +120°C
Storage Temperature Range	-55°C to +125°C
EMI/RFI Conducted	EN55022 Level A/B
Dimensions	2.40*2.28*0.45 inches
	(60.96*57.91*11.50 mm)
Weight	80g

PDDI003-24AX-120
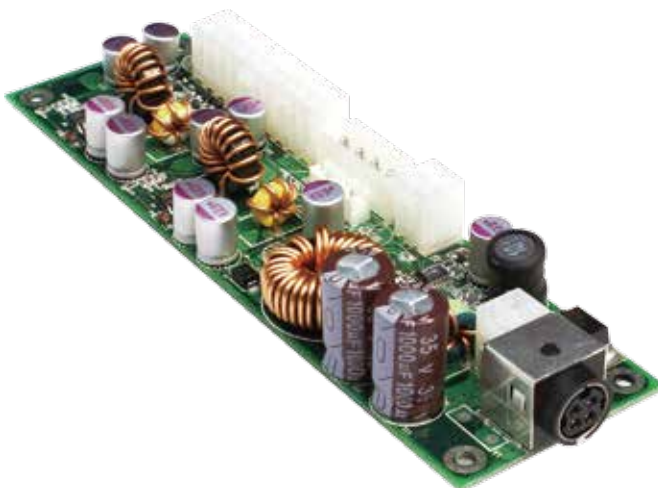
Input Voltage	24V DC
Load Range	5V : 6A, 12V : 5A, -12V : 0.5A, 3.3V : 5A, 5Vsb : 1A
Ripple And Noise	5V : Less than 100mV, 3.3V : Less than 66mV
	5Vsb : 100mV, 12V : 120mV, -12V : 200mV
Line Regulation	Less than ±2.5% at rated load
	with ±10% change in input voltage
Load Regulation	5V : Less than ±5%
	+12V : Less than ±5%
	-12V ±5%
	+3.3V Less than ±5%
Efficiency	88%
Altitude	0 to 10000ft
Operating Temp.	0°~50° C
Storage Temp.	-20°~70° C
Humidity	10~90% non-condensing
Dimension	154x45x25.6(mm)

Embedded System

IP67 SEALED EMBEDDED BOX PC

Winsonic offer a series of high performance and durable Embedded Box PC system for industrial applications.The durable PC system is rugged with wide expansion capability and reliable in any critical environments, such as Digital Signage, Automation, Marine, Vehicle, Gaming, Banking, Medical, Kiosk and so on.

Reliable Heatsink

Quick & Easy DIY replaceable

Option: Wifi / Bluetooth / 3G

Transportation BOX PC

Digital Signage

POS

Gaming

BC01-0M05 - Fanless

Construction	Aluminum extrusion
CPU	Intel® Celeron J1900
System Memory	2 x DDR3 1333/1600MHz DIMM Slot
Chipset	Intel®J1900 Processor
OS Support	Windows XP, 7, CE6.0, Linux
System I/O Outlet	1 x VGA, 1 x HDMI, 2 x USB, 2 x LAN Audio Line-Out

BC05-0J07 - Fanless

Construction	Aluminum extrusion and heavy-duty steel
CPU	Intel® Celeron J1900 Processor
System Memory	2 x DDR3 1333 DIMM Slot; Max up to 8GB
Chipset	Intel® Atom BayTrail
OS Support	Windows XP, 7, CE6.0, Linux
System I/O Outlet	1 x VGA 3 x RS2324 x USB2 x LAN PS2 / Mic-in, Line-out

BC05-0J08 - Fanless

Construction	Aluminum extrusion
CPU	Intel® i3/i5/i7/Celeron Processor
System Memory	2 x DDR3 1333/1600Hz DIMM Slot
Chipset	Intel® H61
OS Support	Windows XP, 7, CE6.0, Linux
System I/O Outlet	1 x VGA, 1 x HDMI, 2 x RJ45 (Gigabit Lan) 6 x USB, 1 x PS2 combo, Mic-in, Line-out

BC09 - S5P6818

Construction	Aluminum extrusion
CPU	ARM® Mail400MP4
System Memory	One 2GB DDR3 @960M
Chipset	ARM® Cortex™ A 53 Octa Core
OS Support	Android 5.1 Linux+QT2.2 & Ubuntu12.04
System I/O Outlet	1 x HDMI, 1 x RJ45 (Gigabit Lan) 2 x USB, 1 x Audio

BC10-0J07 - IP67

Construction	Aluminum extrusion
CPU	Intel® Celeron J1900
System Memory	2 x DDR3 1333 DIMM Slot
Chipset	Intel® BayTrail
OS Support	Windows XP, 7, CE6.0, Linux
System I/O Outlet	1 x VGA, 1 x RS232, 2 x USB 2.0, 1 x LAN

BC0A - Braswell

Construction	Aluminum extrusion
CPU	Intel Celeron Processor N3160 CPU onboard
System Memory	4G DRAM / 64G eMMC
Chipset	Intel Atom Braswell
OS Support	Windows 7 / 8 /10
System I/O Outlet	2 x USB 3.0, 1 x LAN 2 x USB 2.0, 1 x COM 2 x HDMI

Digital **Signage**

Sound and Image are the most popular and attractive communications. Digital Signage is some kind of entertainment and information broadcast system. Digital Signage use digital media displays to broadcast information and advertising to viewers that you see in lobbies, along roadsides, at stations and airports. On the other hand, the broadcasters use management software to manage the schedule of programs. Use the software to manage the programs to broadcast a specific time and area of display.

Media Player

Winsonic provides networkable digital signage system with compact size and reliable media player. Digital Signage Solutions provide reliable Network Media Players and Management Software. Media Player provides Linux with low cost and reliable fanless system. It supports 1080P and is a multimedia, it suitable for variety signage application such as Hotel, Education, Museum, and Transportation.

Standalone Digital Signage	Networking Digital Signage	Functions
YES	YES	Android 4.2.2
Contents Support		
YES	YES	Performance: 1080P (one of multi-zone) / 720P / 480P
YES	YES	Video: 3gp / flv / mov / webm / WAV / AVI / DIVX & MPEG 1/2/4"
YES	YES	Image: jpeg / png / bmp / tiff
Playlist Management		
YES	YES	Entire disk looping playback (In order to content's alphabetical)
YES	YES	Power Resume: Continue play the content from break point after power recovery.
YES	YES	Scheduling by weekly, segments to play specified contents
YES	YES	Webpage Browsing
YES	YES	Sliding Photo
YES	YES	Scrolling Text
YES	NO	Device Grouping
YES	YES	Adjustable Multi-Zone
Signal Output		
YES	YES	HDMI
YES	YES	LVDS (For all in one system)
Hardware Setting		
YES	YES	Option: Motion Sensor / Touch
YES	YES	Rotate (Portrait / Landscap)
YES	NO	Auto search plug and play local network connection
Content Update		
YES	YES	USB update
YES	YES	Remote update

Taxi Digital Signage

There is a wide variety of venues use digital signage today. In fact, it is difficult to think of a place that does not benefit from digital signage. On our application cases, you can find examples of customers using our digital signage CMS software as a service. Find your relevant business sectors in the options below and see how our digital signage platform can help your business: in retail stores, academic institutions, transits, Shopping malls, corporations, entertainments and much more.

Digital signage with 3G remote content update and CMS, can help managers to set up and manage their signs easily in the store Or from the corporate office to any of other stores. Different message can be targeted to different locations and easily update at anytime from anywhere.

Transit:
Public transportation is one of the fastest growing sectors taking advantage of digital signage. More and more, ads and information are being displayed digitally on buses, trains, shuttles, and in taxis. Digital signage is used in buses and train stations in major urban centers around the world to provide directions, updated information and promotions by using the remote content update application.

Key Pad

Interactive quick buttons LCD advertising signage becomes more popular.

Live TV

Easy to feed live-TV into your signage layout.

Touch

Integrate touch screen for digital signage industry. Interactive displays are becoming more popular.

Motion Sensor

Inbuilt motion sensor LCD advertising signage can be switch off after sensing no movement in time. You don't need turn on and off all the time.

SMIL / HTML 5

The product leverage SMIL & HTML5 for designer to create online Signage.

Wi-Fi / 3G

Retrieve data from Internet.

Marine

Winsonic incorporates many unique features to add more functionality. These units are suitable for a wide variety of military and commercial shipping or avionics applications. Available in various sizes from 8" to 24" for Marine Chassis and Marine Flush Mount enclosure.

Our Marine grade LCD Displays with aluminum enclosure is suited for the harshest environment out there. With IP65 Front water resistant and IP54 Back, not only it's water resistant, dust proof and it's also anti-corrosion.

MFM (Flush Mount)
Marine grade monitor with flush mount solution

Available Size

4 : 3	6.5" 8.4" 9.7" 10.4" 12.1" 15" 17" 19" 21.3" 23.1"	16 : 9	12.1" 15.6" 17" 18.5" 19" 21.5" 22" 24"

MSCH (Stainless Chassis)
Stainless housing without brilliant outlook

Available Size

4 : 3	6.5" 8.4" 9.7" 10.4" 12.1" 15" 17" 19" 21.3" 23.1"	16 : 9	12.1" 15.6" 17" 18.5" 19" 21.5" 22" 24"

MCH (Marine Grade Chassis)
Marine grade metal housing without powder coating

Available Size

4 : 3	6.5" 8.4" 9.7" 10.4" 12.1" 15" 17" 19" 21.3" 23.1"	16 : 9	12.1" 15.6" 17" 18.5" 19" 21.5" 22" 24"

MFCH (Full IP66, Stainless)
Stainless IP66 housing fit for harsh environment

Available Size

| 4 : 3	6.5" 8.4" 9.7" 10.4" 12.1" 15" 17" 19" 21.3" 23.1"	16 : 9	12.1" 15.6" 17" 18.5" 19" 21.5" 22" 24"
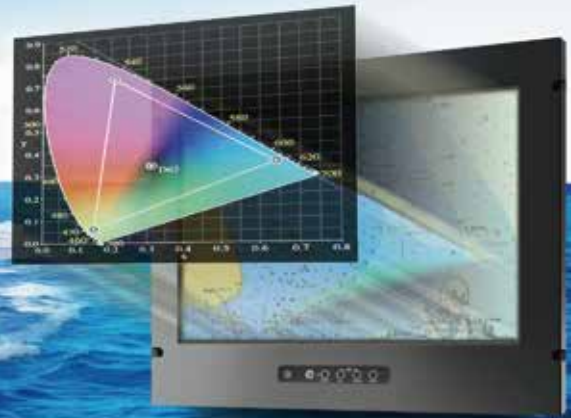
ECDIS

ECDIS

ECDIS Display calibration is a very important aspect of Marine. ECDIS represents one of the most rigorous applications of display technology. It is important that monitors match the colour characteristics specified in relevant standards.

Feature

- Wide dimming adjusting through PWM control
- 10mm Aluminum, Flush Mount front Bezel
- With IP65 front and IP54 rear cabinet
- Housing with powder coating design Anti Salt
- Anti Corrosion
- Protected glass
- Isolated 9~36VDC wide voltage input
- Anti-Shock and Vibration enhanced
- Removable Stand
- Wide Viewing angle Adjustable

Optional Mounting Solution

Roof Mount
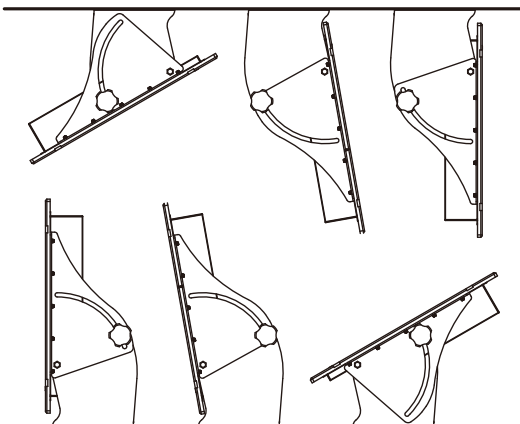
Stand Mount

Wide Temperature Solution

For certain extreme applications like military. Marine or some outdoor applications, a wide range temperature solution is required to survive the environment. Those applications exposed to direct sunlight can lead the surface of the LCD display as much high as +55°C to +60°C, and even worse with temperature fluctuations. The water-proof requirement and heat generated by the LCD panel and the electronics in combination with heat caused by solar energy make the outdoor application a extreme harsh environment for the LCD Monitor / PC. Winsonic provides rugged LCD displays / PC solution for those extreme environments. The wide temperature requirement can range from -30°C to +60°C or even more extreme.

HMI

The ability to visualize and present data to operators in an intuitive and attractive way is a vital competitive factor in the design of any automation system. We offer a complete range of HMI products, developed with functionality and ease-of-use in mind and broad application areas includes HMI software, operator panels and industrial PCs.

HM-PPM070B

Panel Size	7"
Resolution	800 x 480
Platform	ARM® Cortex™ A 53
Storage	16GB internal eMMC
RAM	2GB DDR3
Touch	5 Wires Resistive Touch

HM-ZPPM101A

Panel Size	10.1"
Resolution	1280 x 800
Platform	Intel® Atom Braswell
Storage	64GB eMMC
RAM	4G
Touch	Projected Capacitive Touch

HM-PPM104B

Panel Size	10.4"
Resolution	1024 x 768
Platform	ARM® Cortex™ A 53
Storage	16GB internal eMMC
RAM	2GB DDR3
Touch	5 Wires Resistive Touch

HM-ZPPM104B

Panel Size	10.4"
Resolution	1024 x 768
Platform	Intel® Atom Braswell
Storage	64GB eMMC
RAM	4G
Touch	Projected Capacitive Touch

HM-PPM150B

Panel Size	15"
Resolution	1024 x 768
Platform	ARM® Cortex™ A 53
Storage	16GB internal eMMC
RAM	2GB DDR3
Touch	5 Wires Resistive Touch

HM-ZPPM150B

Panel Size	15"
Resolution	1024 x 768
Platform	Intel® Atom Braswell
Storage	64GB eMMC
RAM	4G
Touch	Projected Capacitive Touch

Features - ARM

- Modularize mechanical design provides flexible product configuration and easy maintenance
- Build-in touch screen for interactive application
- ARM® Cortex™ A 53 Octa Core
- One 2GB DDR3 @960M Onboard 16GB internal eMMC
- Complete custom design/solution for OEM customers
- 1 x HDMI, 2 x USB, 1 x micro-SD slot, 1 x LAN, 1 x RS232/422/485
- Linux＋QT2.2 / Ubuntu12.04 / Android 5.1

Features - Braswell

- Modularize mechanical design provides flexible product configuration and easy maintenance
- Build-in touch screen for interactive application
- Intel®Atom Braswell
- Single Channel DDR3L 1333 MHz SDRAM
- Complete custom design/solution for OEM customers
- 2 x HDMI, 1 x COM, 2 x USB, 2 x USB 3.0, 1 x LAN
- Win 7 / 8 / 10

POS All in One POS

Ultimate retail's point of sale solution with touch screen provides reliable performance and powerful functions.

- The latest Intel Core i3 /i5 /i7, Atom D525 and ARM solution provide wide range of POS Terminal feature.
- OS supports: Windows XP/7/8 or Androids 4.0
- Touch Sensor Solutions: PCT (RS232 or USB) & RT (RS232 or USB)

support Camera & Light Sensor

Quick & Easy replaceable DIY HDD

Support Stripe Card Reader (MSR)

Tilt Adjustable

Support Rich I/O Ports

Cables & Adapter management

POS Computer

Cost and effective solution embedded POS Computer provides fanless and fashionable fan box pc. Compact size with rich I/O ports for the variety and performance retail demands.

Touch Monitor

LCD Touchscreen monitor has the exceptional screen performance with remarkable contrast ratio and brightness quality.

- Touch screen performs the highest accuracy, reliability, long product life in the market today. Options Touch Sensors: PCT(RS232 or USB) & RT(RS232 or USB)
- The Stands are provides wide angle adjustable tilt.
- Available size of Monitor from 10.4" ~ 19" or customize larger.

Accessories

Winsonic provides the variety accessory for one-stop service with barcode scanner, thermal printer, cash drawer, and customer display…
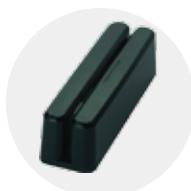
| Cash Drawer | MSR | Network | Thermal Printer | Barcode Scanner | Customer Display |

Industrial Automation

As a professional and experienced manufacturer, Winsonic supplies full range of high-performance and quality Industrial Automation products to meet customers' variety of applications.
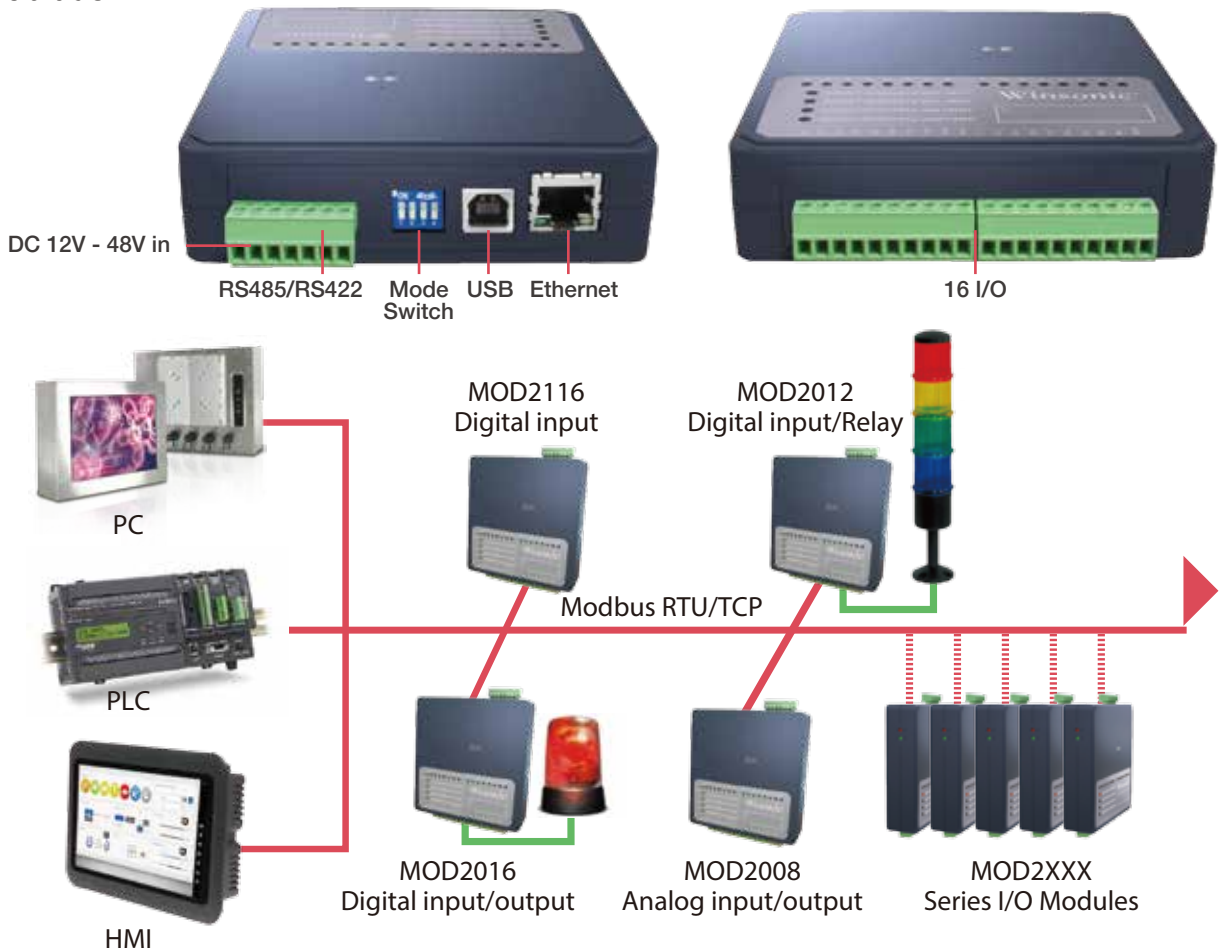
Industrial Automation System

Industrial Automation System is a computer-controlled systems that monitor and control industrial processes. It is normally a system of complexes, spread out over large areas. All devices are connected through Internet or fieldbus Network. The SCADA/HMI is the interface allow operator to monitor or give control instructions. The PAC/PLC is working as the host to perform the control instructions through a RTU or Remote I/O modules. Sensor and other control devices, like actuator, electric motor, switch, valve and contractor, are deployed to perform the control functions.

Industrial Device Requirement

Winsonic Industrial Automation product includes HMI, PAC, Box Computer, Fieldbus Data I/O, Industrial Data Communication, Wireless Solution. You can always find a well fit Industrial Automation product for your application, either in a commercial environment or rugged industrial environment.

Modbus

DC 12V - 48V in

RS485/RS422　Mode Switch　USB　Ethernet

16 I/O

PC

PLC

HMI

MOD2116
Digital input

MOD2012
Digital input/Relay

Modbus RTU/TCP

MOD2016
Digital input/output

MOD2008
Analog input/output

MOD2XXX
Series I/O Modules

Industrial Device Requirement

Winsonic Industrial Automation product includes HMI, PAC, Box Computer, Fieldbus Data I/O, Industrial Data Communication, Wireless Solution. You can always find a well fit Industrial Automation product for your application, either in a commercial environment or rugged industrial environment.

BOX PC

AT-BC0C-CB0P01

Android 5.1 Linux+QT2.2 & Ubuntu12.04

Features

- Aluminum extrusion
- ARM® Mail400MP4
- One 2GB DDR3 @960M
- ARM® Cortex™ A 53 Octa Core
- Android 5.1 Linux+QT2.2 & Ubuntu12.04
- 1 x HDMI, 1 x RJ45 (Gigabit Lan)
- 2 x USB, 1 x Audio

AHMI-2104

2x LAN, 2xUSB(1x OTG,1Host), 1x RS232/485/422, 1x MicroSD, 1x HDMI

Features

- 15"/12.1"/10.1"/8.4"/W7" LCD
- One 2GB DDR3 @960M
- 16GB internal eMMC
- Resolution: 800 x 480 ~ 1024 x 768
- Resistive Touch Panel
- ARM® Cortex™ A 53 Octa Core
- Android 5.1 Linux+QT2.2 & Ubuntu12.04
- Operating Temperature: -10 ~ +60°C

Modbus I/O Module

DAU01-MOD2008-4AI+4AO

DAU01-MOD2012-8DI+4RLY

DAU01-MOD2016-8DI+8DO

DAU01-MOD2116-16DI

DAU01-MOD2216-16DO

DAU01-MOD2016-8DI+6DO+2PWM

Features

- Support for both Modbus RTU, TCP/UDP protocol
- 3 ways communication with RS485/R422,Ethernet and USB
- Built-in web server Web-based Remote I/O
- Remote and local monitoring
- Flexible user-defined Modbus address
- Multi-channel data acquisition module
- Power input DC 12V - 48V

Ethercat I/O Modules

DAU01-ECAT2xxx series

DAU01-ECAT2016-8DI+8DO

DAU01-ECAT2012-8DI+4RLY

DAU01-ECAT2116-16DI

DAU01-ECAT2216-16DO

Features

- Powerful MCU handles efficient network traffic
- 2 x RJ-45 bus interface
- Distance between Stations up to 100 m (100BASE-TX)
- Support daisy chain connection
- Built-In digital I/O or RLY
- RoHS compliant
- ESD Protection 4 KV Contact for each channel
- Power Input DC 12V- 48V
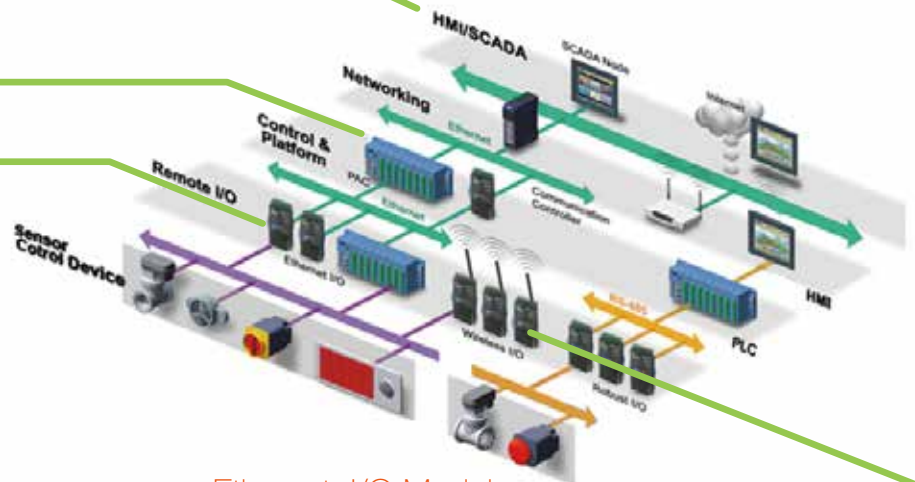
Wireless

Wi-Fi / 3G / Bluetooth / GPS / RFID wireless modules can be embedded in devices to enable them for work in the Internet of Things. Such as motion sensors, cameras, microphones and other pc devices Home automation systems already implement the concept for things like light bulbs, plus other devices like TV remote control and wireless speakers that each represents early examples of IoT.

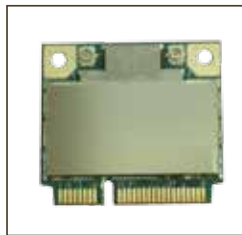## Internet of Things: The number of things connected to a link.

WiFi
WMW01-RTL8188

- IEEE 802.11 b/g/n Wireless Local Area Networks
- 50 Ohm RF connectors for external 2.4G antennas.
- Win7, Vista, XP WHQL certified.
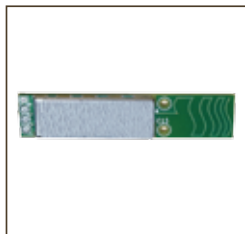- RoHS compliant.

Wireless Combo
WM201-RTL8188CE

- WM201-RTL8188CE Photo
- PCIe v.1.2 HMC (Half MiniCard H2 Type) specification.
- Bluetooth spec. v.2.1 plus EDR (Enhanced Data Rate) and 3.0+HS (High Speed) compliant.
- WLAN 802.11n , 1x1.
- I/O: PCIe for WLAN, and USB bus interface for BT.

Bluetooth
WMB01-CSR8510

- Bluetooth spec. v.2.1/3.0 compliant plus EDR (Enhanced Data Rate).
- HCI USB with USB2.0 full-speed compliant interface.
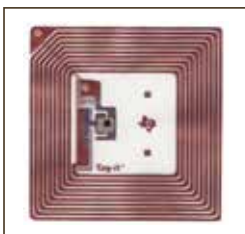- Powered by +3.3V. RoHS compliant.

3G
WMC01-ZU200

- HSUPA 5.76 Mb/s, HSDPA 7.2 Mb/s
- Compatible Mini PCIE spec. standard interface revision 1.0 & 1.2
- Easy migration from 2G/2.75G modules (SW & HW)
- Module with Integrated SIM holder

RFID
WMR01

- No line of sight required for reading
- Multiple items can be read with a single scan
- Each tag can carry a lot of data (read/write)
- Individual items identified and not just the category

GPS
WMG01-U-Blox6

- U-Blox 6 position engine with over 2 million effective correlators featuring < 1s acquisition,-147dBm cold start acquisition sensitivity and 5Hz update rate.
- Water-resistance.
- USB Interface

Smart Cities

- Smart parking: Monitoring of parking spaces availability in the city.
- Traffic congestion: Monitoring of vehicles and pedestrian levels to optimize driving and walking routes.
- Smart lightning: Intelligent and weather adaptive lighting in street lights.
- Intelligent transportation systems: Smart Roads and Intelligent Highways with warning messages and diversions according to climate conditions and unexpected events like accidents or traffic jams.

Security and Emergencies

- Perimeter access control: Access control to restricted areas and detection of people in non-authorized areas.
- Liquid presence: Liquid detection in data centers, warehouses and sensitive building grounds to prevent break downs and corrosion.
- Radiation levels: Distributed measurement of radiation levels in nuclear power stations surroundings to generate leakage alerts.
- Explosive and hazardous gases: Detection of gas levels and leakages in industrial environments, surroundings of chemical factories and inside mines.

Industrial Control

- M2M applications: Machine auto-diagnosis and assets control.
- Indoor air quality: Monitoring of toxic gas and oxygen levels inside chemical plants to ensure workers and goods safety.
- Temperature monitoring: Control of temperature inside industrial and medical fridges with sensitive merchandise.
- Ozone presence: Monitoring of ozone levels during the drying meat process in food factories.
- Indoor location: Asset indoor location by using active (ZigBee) and passive tags (RFID/NFC).
- Vehicle auto-diagnosis: Information collection from CanBus to send real time alarms to emergencies or provide advice to drivers.

eHealth

- Fall detection: Assistance for elderly or disabled people living independent.
- Medical fridges: Control of conditions inside freezers storing vaccines, medicines and organic elements.
- Sportsmen care: Vital signs monitoring in high performance centers and fields.
- Patients surveillance: Monitoring of conditions of patients inside hospitals and in old people's home.
- Ultraviolet radiation: Measurement of UV sun rays to warn people not to be exposed in certain hours.

Bus Wireless

Mall Wireless

Station Wireless

Display **Wall**

The display wall is designed to offer the ability to combine multiple LCD screens into one giant resolution screen. It is perfect for digital signage, Google earth, flight simulators, advertising, powerpoint presentations, art, live shows, hi-res images, traffic or security control room and much more applications. Screen Size: 42", 46", 55".
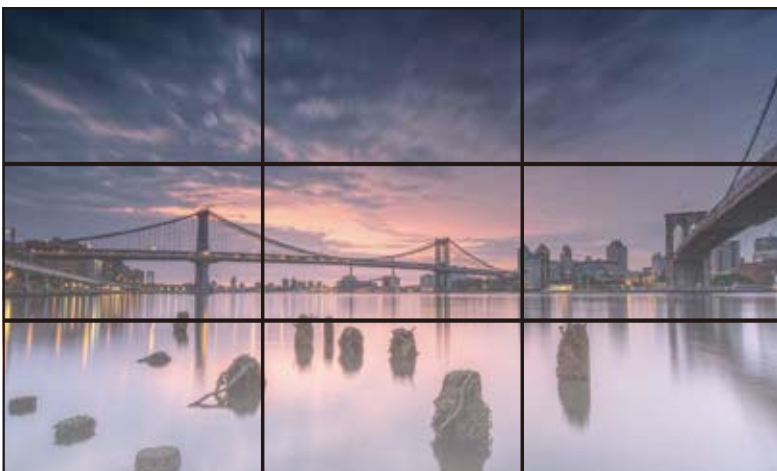
- Narrow Border design
- Easy installation construction
- Friendly setting through OSD Menu

- Landscape: 3x3, 3x2, 3x1, 2x2, 4x2, 4x1, 1x4, 1x3
- Portrait: 3x1, 4x1
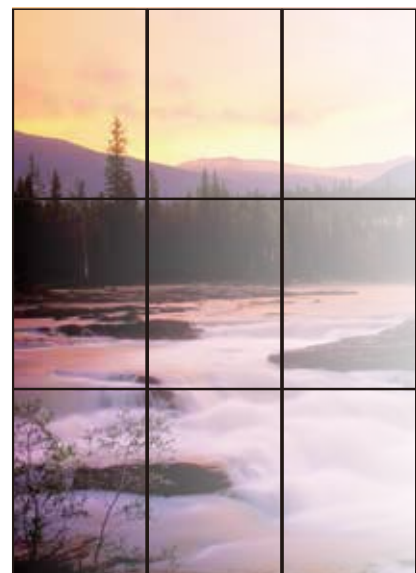- Stand Type: 3x3, 3x2, 2x2

Specifications

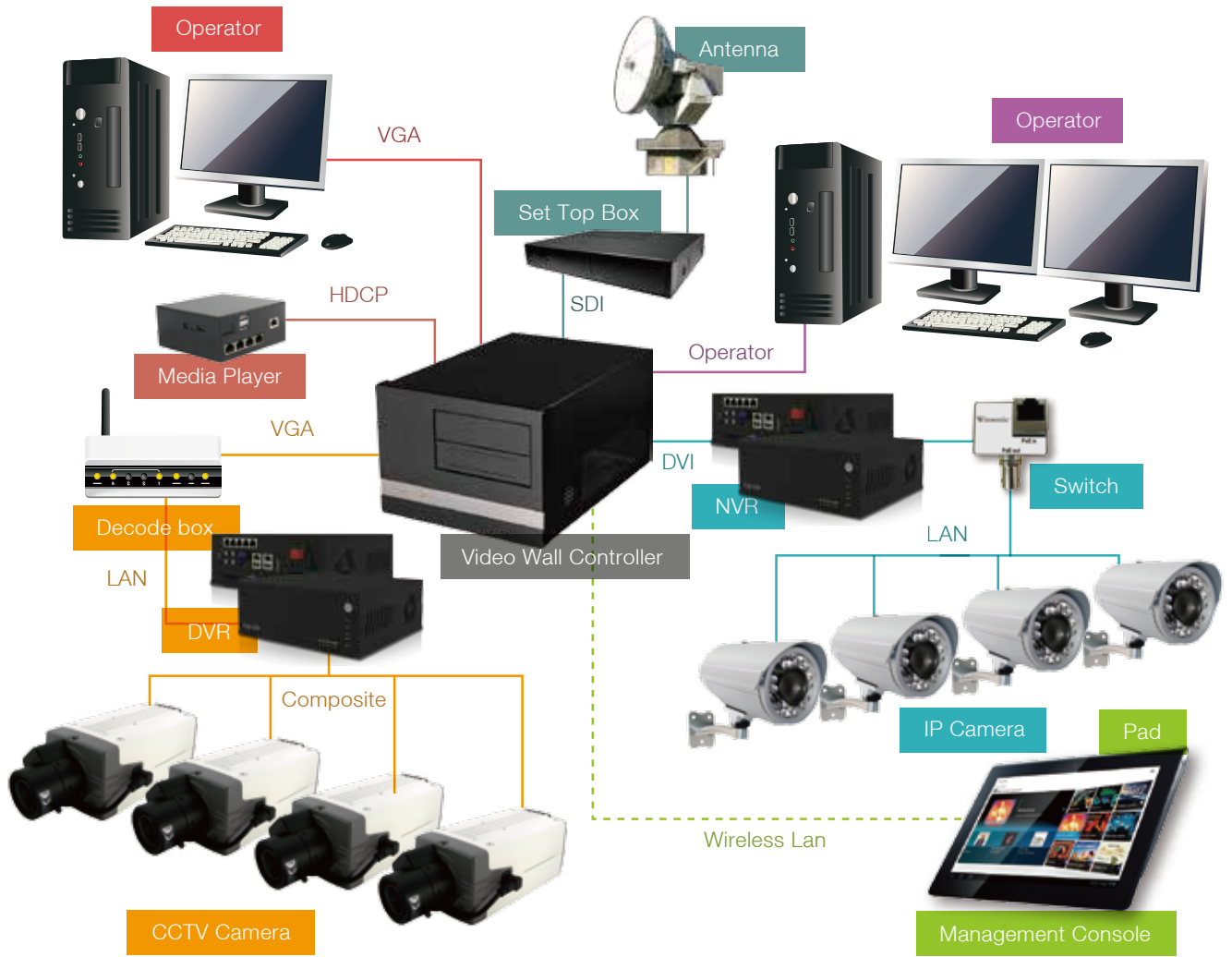| Size	Model Number	Resolution	Brightness	Input Ports	Viewing Angle	Display Wall Setting
Landscape						
42"	DWF4201-33	5760(H)x3240(V)	500cd/m²	VGA+DVI	H.178° (-89°~89°), V. 178°(-89°~ 89°)	By OSD
42"	DWF4201-32	5760(H)x2160(V)	500cd/m²	VGA+DVI	H.178° (-89°~89°), V. 178°(-89°~ 89°)	By OSD
42"	DWF4201-31	5760(H)x1080(V)	500cd/m²	VGA+DVI	H.178° (-89°~89°), V. 178°(-89°~ 89°)	By OSD
42"	DWF4201-22	3840(H)x2160(V)	500cd/m²	VGA+DVI	H.178° (-89°~89°), V. 178°(-89°~ 89°)	By OSD
42"	DWF4201-42	7680(H)x2160(V)	500cd/m²	VGA+DVI	H.178° (-89°~89°), V. 178°(-89°~ 89°)	By OSD
42"	DWF4201-41	7680(H)x1080(V)	500cd/m²	VGA+DVI	H.178° (-89°~89°), V. 178°(-89°~ 89°)	By OSD
42"	DWF4201-14	1920(H)x4320(V)	500cd/m²	VGA+DVI	H.178° (-89°~89°), V. 178°(-89°~ 89°)	By OSD
42"	DWF4201-13	1920(H)x3240(V)	500cd/m²	VGA+DVI	H.178° (-89°~89°), V. 178°(-89°~ 89°)	By OSD
Portrait						
42"	DWF4201-31P	3240(H)x1920(V)	500cd/m²	VGA+DVI	H.178° (-89°~89°), V. 178°(-89°~ 89°)	By OSD
42"	DWF4201-41P	4320(H)x1920(V)	500cd/m²	VGA+DVI	H.178° (-89°~89°), V. 178°(-89°~ 89°)	By OSD

Monitor Arrangement

3x3 Landscape

3x3 Portrait

Operator

VGA

Antenna

Operator

Set Top Box

SDI

HDCP

Media Player

Operator

VGA

DVI

Decode box

Video Wall Controller

NVR

Switch

LAN

LAN

DVR

IP Camera
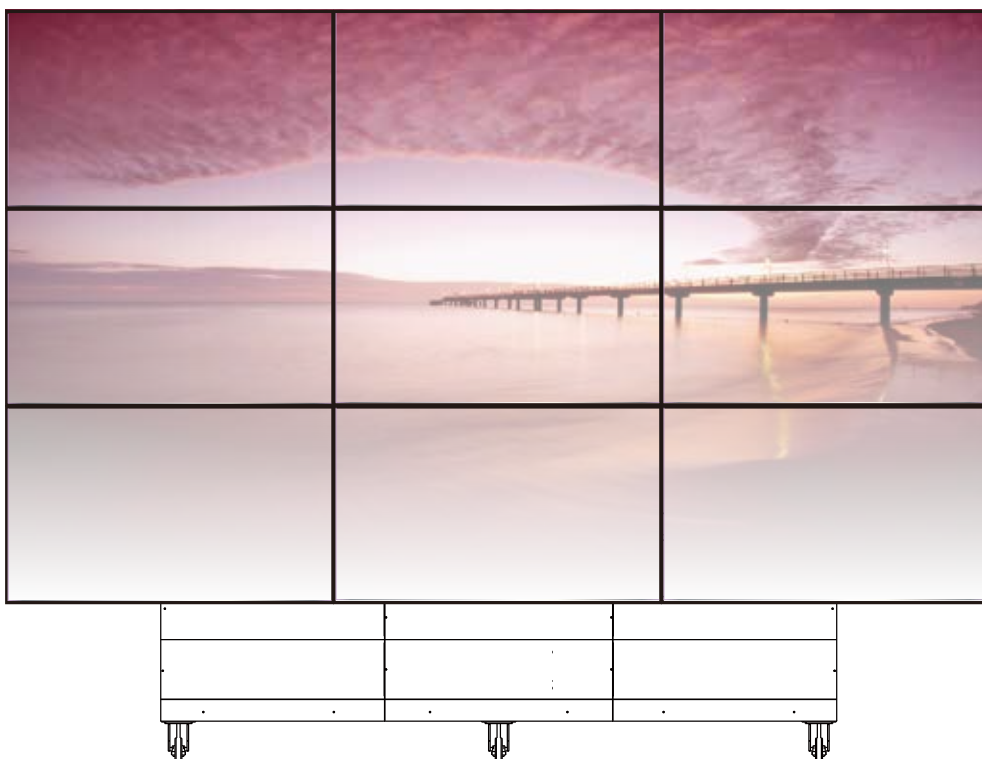
Pad

Composite

CCTV Camera

Wireless Lan

Management Console

3x3 Landscape with stand

Vehicle

Functions like 3G, GPS, Wifi and optional Bluetooth are available. At only 35W processor TDP, it delivers a very reliable, stable, fanless solution for vehicle application.

The Vehicle product series, an innovative series of in-vehicle display / computer, is designed for in-vehicle operation within trucks, buses, and trains.

Intelligent Automotive / DC-DC PC Power Supply

Vehicle product line equipped with an intelligent, high power, vehicle DC-DC PC power supply designed for Vehicle pc or battery powered applications. Designed to provide power and to control the ON/OFF switch of a motherboard based on ignition status, Vehicle computer system is a wide input 9 to 36V DC for car / battery and 110~125V DC for Train / MRT, power supply capable of surviving tough car engine cranks (down to 9V) as well as transient over-voltage situations. Just connect it to your car / boat / RV / solar battery and power up vehicle pc.

Vehicle Computer

Vehicle computer series is a high performance, Fanless based Vehicle Computer. It is newest series of in-vehicle computer, is designed for in-vehicle operation within trucks, buses, trains and texi. It design with multitude of I/O interfaces which enable connectivity to various in-vehicle features. Vehicle computer is built the latest low power high performance 3rd Generation Core i7/i5/i3 processor, up to 8GB of system memory, four optional COM ports (3xRS-232 / 1 x RS-485).

Display Infomation

Surveillance

Vehicle Computer

WiFi

Customer Multimedia

Wireless Modules

Display Infomation

EU BUS SIGN

Vehicle computer

Touch Panel & GPS

Digital Signage

Vehicle Driver Display

Features
- Rugged construction ensures exceptional stability
- LCD meets sunlight readability for navigation and transportation systems
- Multiple mounting options
- Technical support for hardware screens, monitors, controllers, peripherals including troubleshooting procedures and general system issues
- Customer service and sales support help with product selection, order management, and warranty status

Shock Test Method

Test method : Reference to MIL-STD-810F,
Notice 3, 2003, Method 516.5 Testing
Procedures I, Category 20-Ground cehicles-ground mobile.
Table 514.5C-VII, Figure 514.5C-3
(Composite wheel vehicle vibration exposures)
Sanple Condition: Operating
Wave from: Random
Frequency: 5~500 Hz
Impact acceleration: 1.62 & 2.05 & 2.20 grms
Duration: 1 hour/axis

Vehicle Passenger Display

Features
In recent years, information display is becoming more common in bus transport and is considered as an effective tool to manage passengers flow. Not only crucial information can be delivered to passengers in real-time via digital signage. The passengers can get the bus arrive time through the digital media display in the bus stops. The passengers can get more life information and advertisement during the waiting time.
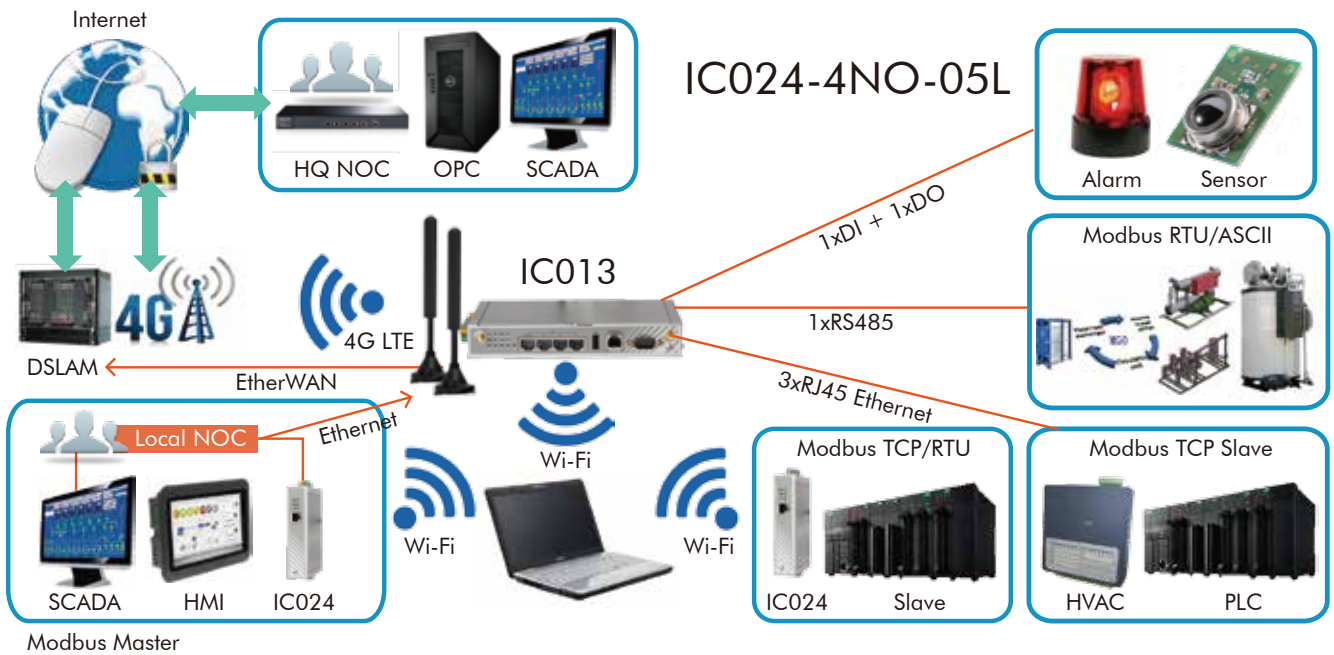
Ethernet Switch

Winsonic provides a wide range of industrial-grade Ethernet switches reliability, network redundancy, seamless integrated security, and offer plug and play. Power Over Ethernet Switches offer 60Watt PSD. Winsonic provides managed switch, unmanaged switch, Gigabit Ethernet switch, PoE switch, all products are compliance IEC 61850, EN50155, and rackmount Ethernet switch to provide users.

Modbus Cellular Gateway for Industrial Automation

IC024-4NO-05L

IC013

1xDI + 1xDO

1xRS485

3xRJ45 Ethernet

Internet

HQ NOC   OPC   SCADA

DSLAM

4G LTE

EtherWAN

Local NOC

Ethernet

Wi-Fi

Wi-Fi   Wi-Fi

SCADA   HMI   IC024

Modbus Master

Alarm   Sensor

Modbus RTU/ASCII

Modbus TCP/RTU

IC024   Slave

Modbus TCP Slave

HVAC   PLC

Cloud ACS
Application CMR UDR

VPN & Bonding
Concentrator

UTM

VPN

Bonding

VPN

4G

Bonding

Internet

Dual SIM

IC014

LTE

LTE1

LTE2

PoE LTE GW as Uplink

DVR

PoE

Wi-Fi

HOTSPOT

Guest Access

Industrial
Ethernet Switch

Rackmount Ethernet Switch

Managed

IC030-2840-M-R

Rack Mount Front Access,
10-Port Gigabit
(6 GbE + 2 SFP + 2 GbE/SFP COMBO)

IC016-2840-M-R

Rack Mount Rear Access,
10-Port Gigabit
(6 GbE + 2 SFP + 2 GbE/SFP COMBO)

IC017-2840-M-R

24 Gigabit Copper ports plus
4 SFP ports 100FX or 1000BaseF

IC018-2840-M-R

24 Gigabit Copper ports plus
4 SFP ports 100FX or 1000BaseF

Unmanaged

IC013-2620-U-R

Rack Mount Front Access,
24 Gigabit Copper ports
plus 2 ports 100FX or 1000BaseF

IC014-2620-U-R

Rack Mount Rear Access,
provide 24 Gigabit Copper ports
plus 2 ports 100FX or 1000BaseF

DIN-Rail Ethernet Switch

Managed

IC015-1040-M-D

Rack Mount Front Access,
10-Port Gigabit
(6 GbE + 2 SFP + 2 GbE/SFP COMBO)

IC019-0800-M-D-2D

Provide 8 Gigabit Copper ports

IC020-0820-M-D-2D

6 Gigabit Copper ports
plus 2 SFP ports 100FX or 1000BaseF

IC021-1000-M-D-2D

Provide 10 Gigabit Copper ports

IC022-1020-M-D-2D

Provide 8 Gigabit Copper ports
plus 2 SFP ports 100FX or 1000BaseF

IC023-1040-M-D-2D

6 Gigabit Copper ports,
4 SFP ports 100FX or 1000BaseF

IC024-1240-M-D-2D

8 Gigabit Copper ports,
4 SFP ports 100FX or 1000BaseF

IC025-1440-M-D-2D

10 Gigabit Copper ports,
4 SFP ports 100FX or 1000BaseF

DIN-Rail Ethernet Switch

Unmanaged

IC001-0300-U-D-2D

3 x 10/100BaseT(X) ports

IC002-0310-U-D-2D

2 x 10/100BaseT(X) ports plus 1x 100FX port

IC003-0500-U-D-2D

2 x 10/100BaseT(X) ports plus 1x 100FX port

IC004-0510-U-D-2D

4 x 10/100BaseT(X) ports
plus 1x 100FX port

IC005-0800-U-D-2D

8 x 10/100BaseT(X) ports

IC006-0820-U-D-2D

6 x 10/100BaseT(X) ports
plus 2 x 100Base SFP slots

IC007-0500-U-D-2D

5 Gigabit Copper ports

IC008-0510-U-D-2D

4 Gigabit Copper ports
plus 1 100FX or 1000BaseF

IC011-0800-U-D-2D

8 Gigabit Copper ports

IC012-0820-U-D-2D

24 Gigabit Copper ports
plus 2 ports 100FX or 1000BaseF

Industrial PoE Switch

Managed

IC026-1248-M-D-2D

8 10/100/1000 Base TX PoE ports
plus 4 100FX/1000BaseF SFP slots

IC027-1448-M-D-2D

8 10/100/1000 BaseTX PoE ports,
2 10/100/1000 BaseTX,
plus 4 100FX/1000BaseF SFP slots

IC028-0804-M-D-2D

8 10/100/1000 Base TX PoE ports
plus 4 100FX/1000BaseF SFP slots

IC029-0804-M-D-2D

4 or 8 10/100/1000 Base TX PoE ports
plus 2 or 4 100FX/1000BaseF SFP slots

Unmanaged

IC031-0504-U-D-2D

Full Gigabit Ethernet ports

IC032-0510-U-D-2D

Full Gigabit Ethernet ports

Industrial Ethernet **Gateways**

Industrial Cellular Gateways

IC014-5NO-04P

Industrial PoE Cellular GW with
4 Gigabit PoE+ Ports

IC014-TCP-04P

Industrial PoE Cellular GW with
4 Gigabit PoE+ Ports

IC015-TCP-04L

M2M Multi-Cellular Gateway

Modbus TCP Gateway

IC015-TCP-01L

Modbus Cellular Gateway

IC024-4NO-05L

Modbus Cellular Gateway

Outdoor Wireless **Gateway**

Outdoor Wireless Gateway

IC013-WNO-01P

Outdoor Cellular Gateway

Logicbus

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