



Avalue Provides All You Need for Digital Signage

Open Pluggable Module Solution



avalue
Technology Inc.



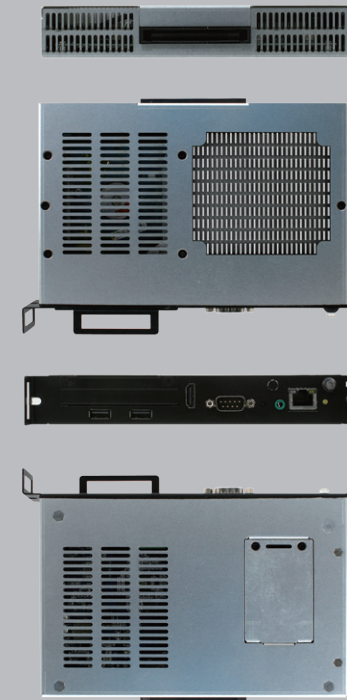
Open Pluggable Module – Making Signage Smarter & Easier

Why Avalue's OPM-CDV?

To provide a more user-friendly digital signage solution to the emerging Digital Signage Market, Avalue now launches the OPM product line complying with Intel OPS (Open Pluggable Specification). With this open standard, users only need to replace their interchangeable module instead of the whole unit, greatly reducing installation and maintenance cost.

Moreover, OPM is designed with flexible Q7 CPU module, giving users the option of different platforms according to their various demands.

Avalue also provides a complete bundle solution including both OPM module and correspondent monitor, minimizing time and cost of product procurement and after-sales service for our clients.

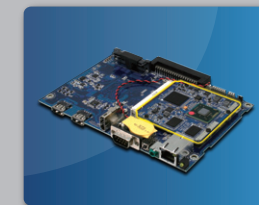


OPM Features

- One-Stop-Shopping Bundle Solution
- Interoperatable module with low installation and investment costs
- Unified Digital Signage standard
- Low investment and maintenance costs
- High flexibility for different platforms
- Optional desktop foot stand for OPS monitor



Cost Effective Solution



Operation Flexibility



One-Stop-Shopping Solution

OPM Applications



Restaurant



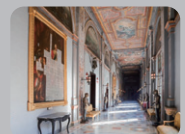
Retail



Transportation



Hotel

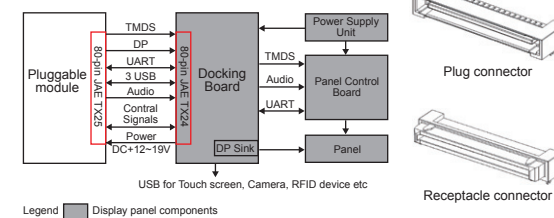


Museum & Gallery



One Standard Specification

- Compliant with Intel Open Pluggable Specification
- Interchangeable module design
- Compatible with all OPS monitors



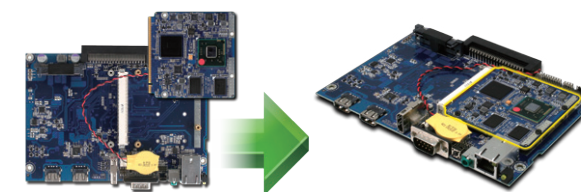
Easy Maintenance

- Monitor and module maintenance can be carried out separately instead of sending back the whole product set for service.
- Monitor continues to operate while module is out for service/repairing.



Operation Flexibility

- Q7 CPU board operates with carrier board (EAP-OP1)
- Interchangeable CPU board (compliant with Q7)
- Service window for easy change of mPICE modules



Cost Effective

- Separate maintenance
- Flexible structure (Q7 CPU board + carrier board) allows system upgrade with low cost
- Budgetary Atom™ Cedarview (6.5W) Platform
- Integrated Graphics provides better media performance
- Compact module design at low shipping cost

Total Bundle Solution

Avalue Takes Care of Everything for You!

- Bundle solution with 42" or 46" OPS monitors
- Complete After-Sales Support
- 2-year warranty of monitor maintenance
- Monitor shipping cost is covered!
- Monitor can be operated individually
- Optional desktop stand
- Optional Touch Screen



Optional desktop stand



Model	OPM-CDV
System	
Board	EQM-CDV & EAP-OP1
CPU	Intel® Atom™ Dual-Core N2800 1.86GHz
BIOS	AMI 8Mbit SPI BIOS
System Chipset	Intel® NM10 Express Chipset
System Memory	Onboard 1G DDR3 1066
SSD	Optional 2.5" SSD
Hard Driver Bay	Optional 2.5" HDD
WiFi	Optional Mini PCIe WiFi 802.11b/g/n
Front I/O	
Serial Port	1 x COM
Ethernet	1 x RJ-45
Audio Port	Line-out
USB	2 x USB 2.0
HDMI	1 x HDMI
Antenna	1 x Antenna
Display	
Chipset	Intel® Cedarview Integrated Graphics
Resolution	HDMI: 1920 x 1200 @ 60Hz Resolution LCD/ Simultaneous Mode: 1366 x 768, LCD/ Simultaneous Mode: 1366 x 768 @ 60Hz (CDV-M)
Dual Display	HDMI + LVDS to Carrier Board
Audio	
AC97 Codec	Realtek ALC892 Supports 5.1-CH Audio
Audio Interface	Line-out
Ethernet	
LAN Chip	Intel® 82574L Gigabit Ethernet
Ethernet Interface	10/ 100/ 1000 Base-Tx GbE Compatible
Environment & Mechanical	
System Fan	Fanless (Fan Space Reserved)
Color	Front Bezel in Black
Power Input	12 ~ 19V DC-in from Monitor Side
Power Type	ATX
Operating Temperature	0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 75°C (-4 ~ 167°F)
Relative Humidity	5% ~ 90% Relative Humidity, Non-condensing
Dimension (W x D x H)	200mm x 119mm x 30mm
Weight	820g

Ordering Information	
OPM-CDV-B1-42	OPM-CDV + 42" OPS Monitor
OPM-CDV-B1-46	OPM-CDV + 46" OPS Monitor
OPM-CDV-A1	OPM-CDV Module Only

Model	42" OPS Monitor	46" OPS Monitor
Panel		
Diagonal screen size	42"/106.7cm	46"/116.8cm
Recommended resolution	1920 x 1080 @ 60Hz	1920 x 1080 @ 60Hz
Brightness (nits, typ.)	450 cd/m²	400 cd/m²
Contrast ratio (typ.)	4000:1	4000:1
Response time (G to G)	6.5 ms	6.5 ms
Aspect ratio	16:9	16:9
Display colors	16.7 M	16.7 M
Viewing angle horizontal / vertical	178° / 178°	178° / 178°
Connectivity		
Network Controllable Input/Output:		
RS232	In/Out	In/Out
RJ-45	yes	yes
PC Input, analogue:		
VGA	x1	x1
PC Input, digital:		
DVI-D In	x1	x1
Video Input, analogue:		
Composite	x1 (BNC)	x1 (BNC)
S-Video	x1	x1
Component	x1 (BNC)	x1 (BNC)
Video Input, digital:		
HDMI	x1 (1.3 compliant)	x1 (1.3 compliant)
Display port	no	no
Video Output, analogue:		
VGA	x1	x1
DVI-I (Analog / Digital)		
Composite	x1 (BNC)	x1 (BNC)
Audio Input:		
PC audio (3.5mm jack)	x1	x1
Audio L/R	x2	x2
Audio Output:		
Line Out	x1 (Audio L/R, RCA)	x1 (Audio L/R, RCA)
External Speaker Terminal	yes	yes
Mechanical provisions:		
Optional Slot	yes (OPS)	yes (OPS)
Features / Convenience		
Placement	Portrait, Landscape	Portrait, Landscape
Anti Image Sticking/Retention	yes	yes
Signal Loop Through	RS232/VGA	RS232/VGA
Tiled Matrix (HxV)	5x5	5x5
Picture in picture	PIP/PBP/POP	PIP/PBP/POP
Picture Enhancement	PIP/PBP/POP	PIP/PBP/POP
Picture Format Supported	Full/Normal/Dynamic/ Custom/Real/21:9	Full/Normal/Dynamic/ Custom/Real/21:9
Power Saving	yes	yes
Temperature Sensor	yes	yes
Heat Control	yes	yes
Auto Signal Detection	yes	yes
Scheduling functions	yes	yes
Remote Control Signal Lockable	yes	yes
Network Control	RS232/RJ-45	RS232/RJ-45
Easy F/W updated via RS-232/RJ-45/USB	RS232	RS232
Zero Bezel	no	no
Speakers	Built-in: 2 x 10 W RMS	Built-in: 2 x 10 W RMS
Ease of installation	Carrying Handles	Carrying Handles
Power Consumption & MTBF		
Power Consumption (Normal)	250W	250W
Power Consumption Standby Mode	<0.5W	<0.5W
MTBF	CCFL 50k hrs	CCFL 50k hrs
Dimensions		
Bezel Width	28.5 mm	35.3mm
Dimensions (w/o base & speakers)	991.6 x 584.0 x 115.5 mm	1091.0 x 645.7 x 120.1 mm
Product weight (w/o base)	22kg	24.6kg
VESA Mount	200 x 200 / 400 x 200 mm	200 x 200 / 400 x 200 mm
Green approvals	Lead free, RoHS compliant	Lead free, RoHS compliant
Regulatory Approvals	UL/CUL ,FCC,CB,CE,BSMI,CCC	UL/CUL ,FCC,CB,CE,BSMI,CCC
Included		
Power cable	yes	yes
VGA cable	yes	yes
Main switch covercap	yes	yes
RC + User manual	yes	yes
Table stand	Option	Option
Speakers	Built-in	Built-in



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