

DS-351

Outdoor Multi-Display Digital Signage Player



Introduction

Measuring at 38 mm thick, DS-351 is a slim digital signage player powered by AMD Ryzen R2000 series. This thin-and-powerful signage player is equipped with 3 or 4 HDMI display which is capable to achieve up to 4K resolution, and delivers a premium visual experience when graphics performance really matters. Advantech DeviceOn/SignageCMS, a web-based content management software, supports Windows 10, Windows 11, and Ubuntu 26.04 LTS.

Specifications

		DS-3510F-U2A2U	DS-3510F-U1A1E	DS-3510F-U0A1E
Processor	Processor	AMD R2514(4 Cores/8 Threads)	AMD R2314 (4 Cores/ 4 Threads)	AMD R2312 (2 Cores/ 4 Threads)
	Chipset	Integrated in SOC		
	BIOS	AMI uEFI 256 Mbit		
Memory	Technology	DDR4 3200 MHz SODIMM		
	Max. Capacity	32GB (16GB per SO-DIMM)		
	Socket	2 x 260-pin SODIMM		
CPU TDP		15W		
Thermal Solution		Fanless		
Display	Graphics Engine	AMD Radeon (8 GPU Compute Units)	AMD Radeon™ Graphics (6 GPU Compute Units)	AMD Radeon™ Graphics (3 GPU Compute Units)
	Output	HDMI 2.1 TMDS x 3+HDMI 1.4 x 1	HDMI 2.1 TMDS x 3+HDMI 1.4 x 1	HDMI 2.1 TMDS x3
	Resolution	Up to 3840 x 2160 @30Hz, 4K playback by HW Codec		
Ethernet	Controller	Intel i210T, Realtek RTL8111KI		
	Interface	Gigabit LAN Controller		
	Connector	2 x RJ-45 10/100/1000 Mbps		
I/O Interfaces	Audio	1 x 3.5mm Audio Jack for jack sense (Line-in/out, Mic-in or SPDIF)		
	HDMI (EDID Lock)	4	4	3
	USB	2 x USB 2.0, 2 x USB 3.2Gen1		
	Serial Port	1 x COM1 RS-232 (TX/RX/CT S/RTS) 1 x COM2 RS-232 (TX/RX), OEM support		
	Switch/button	1 x Power on/off button; 1 x EDID_CLR button		
	LED Indicators	1 x Power, 1 x SSD or Storage Access		
	IR	1x IR		
Expansion	M.2	M.2 2230 E Key (PCIex1 &USB2.0) for WiFi/BT		
Storage	M.2	1 x M.2 2242 M Key (SATA / PCIex4) for storage		
Power Requirement	Power Management	ACPI 3.0		
	Input Voltage	12 - 24V, 65W DC-in (ATX/AT mode)		
Trusted Platform Module	TPM2.0	fTPM 2.0, Default TPM 2.0 (NPCT760AABYX), BOM option by project support		
Watchdog Timer	Output	Interrupt, system reset		
	Interval	255-level timer interval, setup by software		
Physical Characteristics	Mounting	Wall Mount		
	Dimensions (W x D x H)	180 x 177 x 38 mm		
	Weight	TBD		
Environment	Operating Temperature	-20 ~ 60°C / -4 ~ 140°F with 0.7 m/s airflow		
	Relative Humidity	95% @ 40° C (non-condensing), operating		
Operating System		Windows 10, Windows 11, Ubuntu 26.04 LTS		
Certifications	EMC	CE, FCC Class B, CCC, BSMI, UKCA		
	Safety	UL, CB, CCC, BSMI, UKCA (No RED certification)		

#1 M.2 E key slot are hardware interfaces for wireless communication integration only. RF Certification is not available.

Features

- Powered by AMD Ryzen™ R2000 Series processors
- Integrated AMD Radeon™ graphics for high-performance visual applications
- Supports up to 4 x HDMI outputs with resolutions up to 4K
- Wide-temperature, fanless design for reliable operation in demanding environments
- Supports DeviceOn/SignageCMS for centralized content management, remote monitoring, and device control
- Optional Out-of-Band (OOB) remote management
- Built-in firmware TPM (fTPM); discrete TPM 2.0 available as a BOM option upon project request

WISE-PaaS/SignageCMS WISE-DeviceOn

