



IRIS-DU50

Remote Display Unit For Fire Alarm
System Events



The IRIS-DU50 is a remote display unit, which interfaces to a fire alarm panel or fire alarm network.

This enables critical event information to be clearly displayed on screens in key locations within your organisation. The IRIS-DU50 is extremely popular in hospitals and any place where larger notification monitors are required, to facilitate managed evacuation of the premises.

FEATURES

- LAN to IRIS-X communication interface
- HDMI and RGB display interface
- Multiple protocols supported
- All IRIS-X functionalities supported with the exception of notification and cloud repository features

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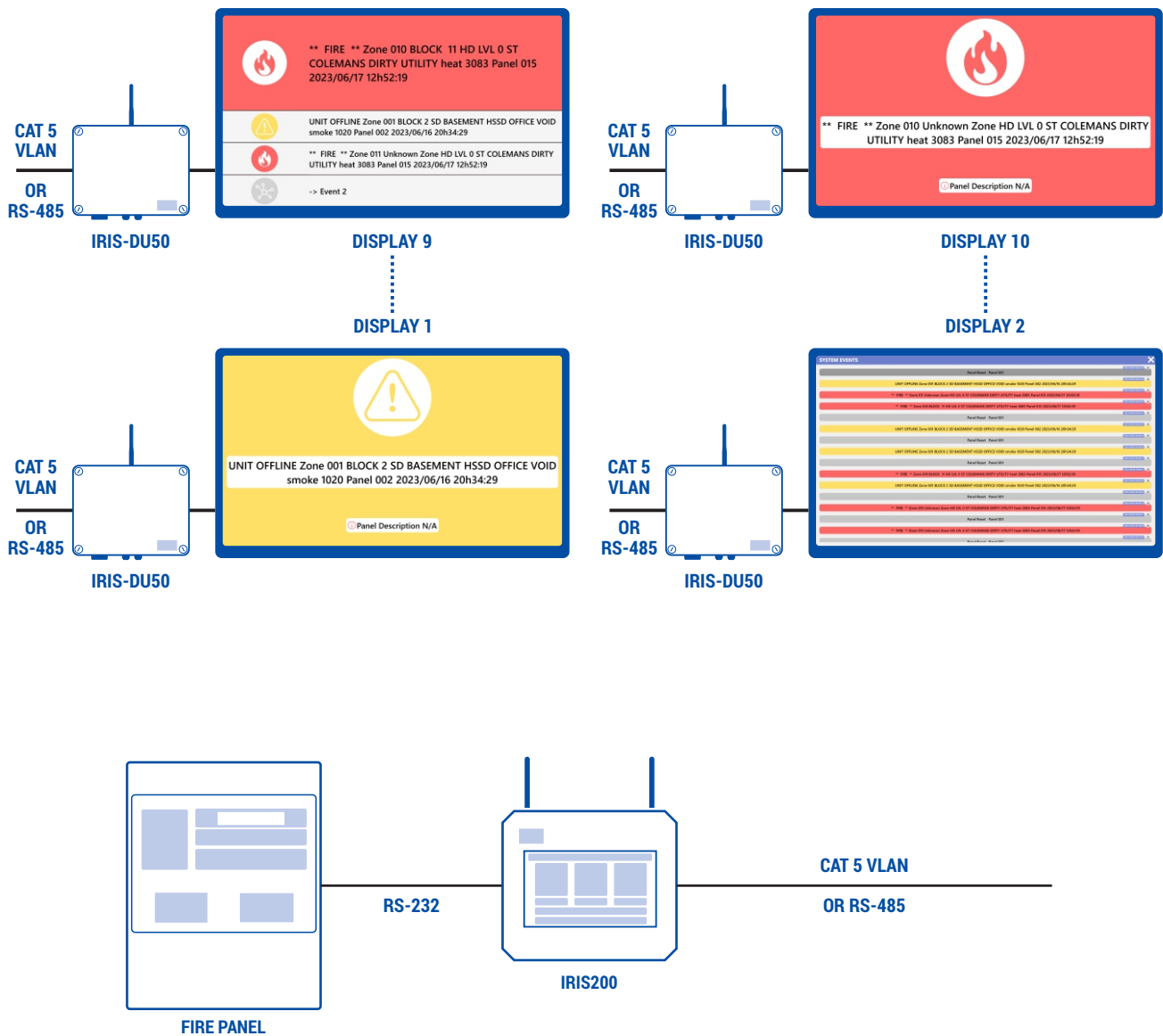
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501-IRIS-DU50-ICN-D-00a

DIAGRAM

Event Display Panel Application Using Vlan



SPECIFICATIONS

IRIS-DU50

DIMENSIONS

Dimensions	252mm x 198mm x100mm
Weight	1.74kg
Form Factor	Small Form Factor
Screen Resolution	3840 x 2160 pixels

PROCESSOR

Brand	Intel
Type	Celeron
Speed	2.7 GHz
Count	2
RAM Size	8 GB
Memory Technology	DDR4 SDRAM
Max. Memory	8 GB
Hard Drive Size	128GB
Hard Disk Description	SSD
Hard Drive Interface	Solid State
Graphics Coprocessor	Intel UHD Graphics 600
Connectivity Type	Wi-Fi
Wireless Type	Bluetooth
Hardware Platform	Windows
Operating System	Windows 11 Pro

IRIS-DU50 BACKUP POWER SUPPLY

AC INPUT

Voltage Range	90VAC~264VAC
Frequency	50 or 60Hz

DC OUTPUT

Voltage	12VDC $\pm$ 5%
Max Power	25W (2.1A)
Continuous Power	12W (1A)

BATTERY

Type	Lithium-ion
Nominal Voltage	3.6VDC
Capacity	3350mAh
Charging Time	3.6 hours to 90% Capacity

PHYSICAL

Input Plug	(NEMA/Schuko/UK) on housing
Output Cable	2m - DC Male Jack (OD 5.5mm ID 2.1mm)
Dimension DxWxH	68mm x 42mm x 74mm
Weight	280g
Surge Protection	K.21 Enhanced 6KV

IRIS200

SYSTEM

Processor	Intel Atom® x5-E3930 Processor, Dual Core, 2M Cache, 1.3GHz (1.8GHz), 6W
Memory	2GB/4GB/8GB Memory Down, Dual Channel LPDDR4 2400MHz
BIOS	Inside SPI 128Mbit (supports UEFI boot only)

GRAPHICS

Controller	Intel® HD Graphics
Feature	OpenGL 4.2, Direct X 11.1, OpenCL 1.2, OGL ES 3.0 HW Decode: H.264, MPEG2, VC1, VP8, H.265, MPEG4, MVC, VP9, WMV9, JPEG/MJPEG HW Encode: H.264, MPEG4, VP8, H.265, MVC
Display	1 x VGA/DVI-DVGA: resolution up to 1920x1200 @ 60Hz 2 x Mini-DP/Micro-HDMI/DVI-D: resolution up to 1920x1200 @ 60Hz Mini-DP: resolution up to 4096x2160 @ 60Hz Micro-HDMI: resolution up to 3840x2160 @ 30Hz VGA + 2 Micro-HDMI DVI-D + 2 Mini-DP
Triple Displays	

EXPANSION

Interface	1 x Full-size Mini PCIe (PCIe/USB/SATA) 1 x M.2 (2242 B Key) (PCIe/USB/SATA) 1 x M.2 (2230 E Key) (PCIe/USB)
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AUDIO

Audio Codec	Realtek ALC262
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ETHERNET

Controller	2 x Intel® I210AT PCIe (10/100/1000Mbps)
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SPECIFICATIONS

LED

Indicators	1 x Power LED 1 x HDD LED
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FRONT I/O

Ethernet	2 x GbE (RJ-45)
Serial	1 x RS-232/422/485 (DB-9)
USB	2 x USB 3.0 (type A) 2 x USB 2.0 (type A)
Audio	1 x Mic-in
Buttons	1 x Power Button
Switch	1 x Power Switch (2-pin)

REAR I/O

Serial	1x DB9 RS-232/422/485 (default), or change to 8-bit DIO by jumper select
Display	1 x VGA/DVI-D 2 x Mini-DP/Micro-HDMI
Audio	1 x Line-out
Wi-Fi Antenna	2 x Wi-Fi Module Antenna Hole

WATCHDOG TIMER

Output & Interval	System Reset, Programmable via Software from 1 to 255 Seconds
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POWER

Type	Wide Range 9~36V
Connector	DC Jack

OS SUPPORT (UEFI ONLY)

Windows 10 IoT (64-bit) Linux Yocto Project (64-bit) Linux

MECHANISM

Construction	Aluminum
Mounting	Wall/VESA/DIN Rail Mount (available upon request)
Dimensions (W x H x D)	161mm x 35.1mm x 108.2mm
Weight	700g

ENVIRONMENT

Operating Temperature	N4200: -20 to 60°C (standard) E3940, E3930: -20 to 60°C (standard), -40 to 70°C (wide-temp) With 0.4m/s Air Flow
Storage Temperature	-40 to 85°C
Relative Humidity	10 to 90% RH (non-condensing)

STANDARDS AND CERTIFICATIONS

Shock	Operating: 3G, 11ms Non-Operating: 5G, 11ms
Vibration	Operating: Random 5~500Hz, IEC68-2-64 (3G) Non-Operating: Sine 10~500Hz, IEC68-2-6 (3G)
Certification	CE, FCC Class B, RoHS, UL