



## For Environments with High Hygiene and Extended Sealing Requirements

- Designed for high hygiene standards following EHEDG guidelines
- Stainless steel housing with IP69K protection
- Scalable performance from Intel Atom® to Intel® Core™ i5

The new FlatClient HYG is designed for use in applications with highest requirements in hygiene, e.g. food processing and pharmaceutical industry following EHEDG guidelines. With a completely sealed stainless steel housing and IP69K protection the FlatClient HYG is highly resistant to detergents and prepared for easy cleaning and wash down. The 21.5" Panel PC offers PCAP touch or protection glass with anti-glare and anti-reflexion features as well as multiple front glass options, e.g. UV protection, IR protection or high brightness displays. The FlatClient HYG series is available as 'Eco line' with Intel Atom® processors or as 'PRO line' featuring Intel® Core™ i5 performance.

Both lines allow easy modification with multiple IO extensions, e.g. serial ports, Profibus, CAN bus and can be powered either with 12-30 VDC or optional with PoE.

Mounting options with support arm or VESA and operation in landscape or portrait mode guarantee utmost flexibility.

Integrated WiFi and RFID provide seamless connectivity and access control.

The design of the FlatClient HYG models can be customized to meet OEM requirements, for example by freely choosing the color of the front and back of the devices and branding with individual logos.

## Technical Information

	ECO Line	PRO Line
DISPLAY SIZE	21.5" landscape or portrait mode	21.5" landscape or portrait mode
RESOLUTION	1920x1080 FullHD	1920x1080 FullHD
BRIGHTNESS	300 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>
VIEWING ANGLE	H178° / V178°	H178° / V178°
DIMENSIONS	542.1 mm x 366.1 mm x 74 mm (excluding connector & mounting bracket)	542.1 mm x 366.1 mm x 74 mm (excluding connector & mounting bracket)
WEIGHT	~10,5 kg	~10,5 kg
LED BACKLIGHT	Life time ≥ 50.000 h	Life time ≥ 50.000 h
FRONT OPTIONS	Projected capacitive touch (PCAP)/safety glass/PMMA	Projected capacitive touch (PCAP)/safety glass/PMMA
MOUNTING	support arm on 48mm tube or VESA 100 with M12 connector	support arm on 48mm tube or VESA 100 with M12 connector
PROCESSOR	Intel® Celeron® Quad Core™ J3455	Intel® Celeron® 3965U Intel® Core™ i5-8365UE Intel® Core™ i5-7300U
RAM	4/8 GByte RAM	4/8/16 GByte RAM
STANDARD INTERFACES	Support arm: GbE, USB 3.0, PWR (~2,8 m cable) VESA 100: GbE, USB 3.0, PWR	Support arm: GbE, USB 3.0, PWR (~2,8 m cable) VESA 100: GbE, USB 3.0, PWR
WIRELESS INTERFACES*	RFID, WiFi	RFID, WiFi
POWER SUPPLY	12-30 VDC	12-30 VDC
EMC	EN55032 class B	EN55032 class B
CERTIFICATIONS	CE, UL	CE, UL
ALTITUDE	Up to 3.000 m (10.000 ft)	Up to 3.000 m (10.000 ft)
SHOCK ACC. TO EN 60068-2-27	support arm: 15G 11ms (half sine) VESA mount: 30G 11ms (half sine)	support arm: 15G 11ms (half sine) VESA mount: 30G 11ms (half sine)
VIBRATION ACC. TO EN 60068-2-6	support arm: 10-500Hz, 1G/3 axis VESA mount: 10-500Hz, 2G/3 axis	support arm: 10-500Hz, 1G/3 axis VESA mount: 10-500Hz, 2G/3 axis
OPERATING TEMPERATURE	0 °C to +50 °C	0 °C to +50 °C
PROTECTION CLASS	support arm: IP69K VESA: IP67	support arm: IP69K VESA: IP67
HUMIDITY	10 %-90 % @ 39 °C, non condensing	10 %-90 % @ 39 °C, non condensing
MTBF	> 50.000 h	> 50.000 h

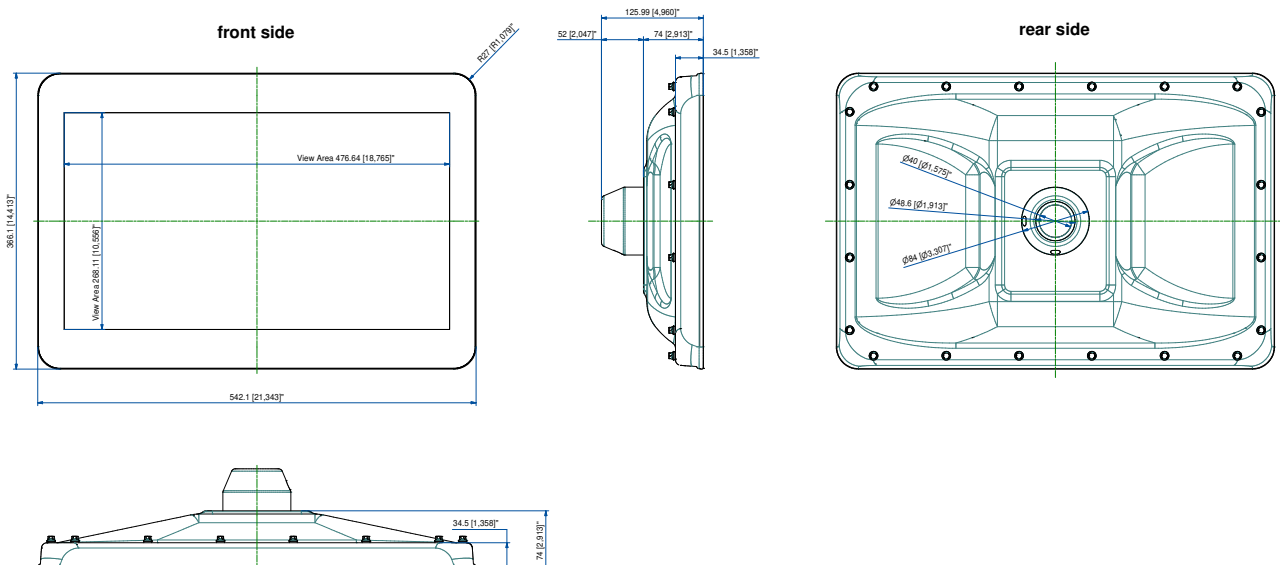
	ECO Line	PRO Line
VERIFIED OS	Windows 10 IoT, Linux	Windows 10 IoT, Linux
RoHS COMPLIANT	yes	yes
COOLING	passive cooling, fanless	passive cooling, fanless
OPTIONS (FURTHER OPTIONS ON REQUEST)	<ul style="list-style-type: none"> <li>- high brightness display</li> <li>- other display sizes and resolutions</li> <li>- Additional USB, GbE, DP, DVI, ...</li> <li>- other Intel® CPUs/Platforms on request</li> <li>2 ... 8 GByte RAM</li> <li>32 ... 512 GByte mSATA SSD</li> <li>- 2x COM (RS232, RS422, RS485)</li> <li>Fieldbus (e.g. CAN, Profibus, ...)</li> </ul>	<ul style="list-style-type: none"> <li>- high brightness display</li> <li>- other display sizes and resolutions</li> <li>- Additional USB, GbE, DP, DVI, ...</li> <li>- other Intel® CPUs/Platforms on request</li> <li>2 ... 16 GByte RAM</li> <li>32 GByte ... 1024 GByte (1 TByte) mSATA SSD</li> <li>- 2x COM (RS232, RS422, RS485)</li> <li>Fieldbus (e.g. CAN, Profibus, ...)</li> </ul>

## Mechanical Drawing

### Support Arm®



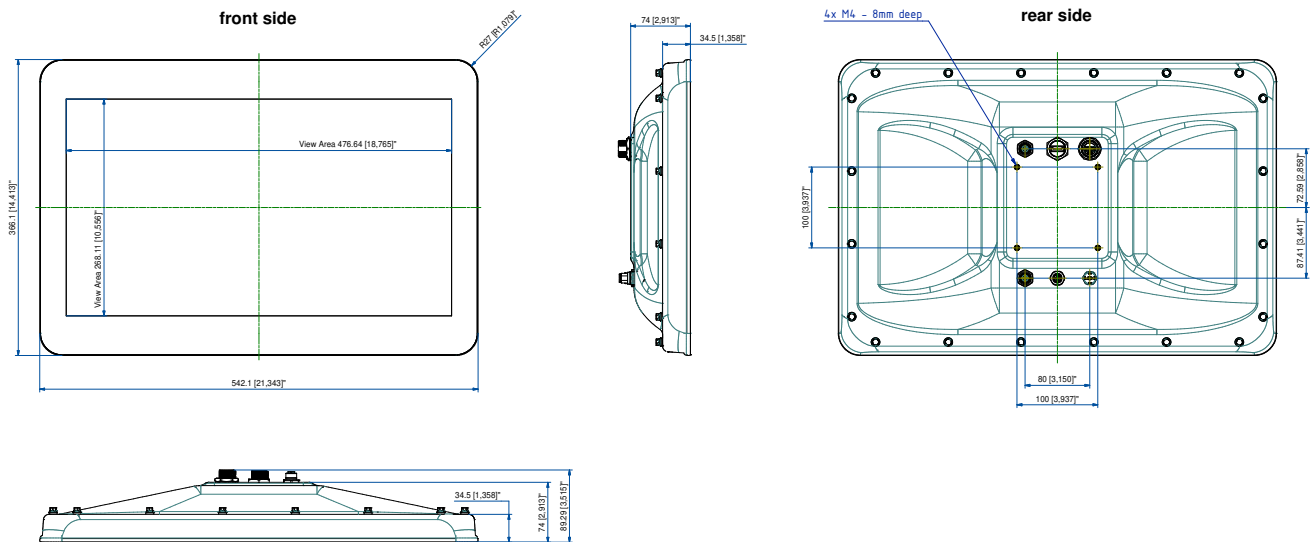
Mounting with support Arm® on 48 mm tube



## VESA



Mounting with VESA 100  
with M12 connector



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