

# Industrial PC EmbeddedLine EL1083

## Wallmount Box Industrial PC Intel® J1900 (Bay Trail) Fanless

- Wide range 9–36 V<sub>DC</sub> power input
- 2 Mini PCIe expansion slots
- Wall mount brackets incl.
- DIN Rail adapter optional
- Power-over-Ethernet optional
- 2 x DVI with VGA option
- Digital I/O
- Remote On/Off



### PERFORMANCE

CPU (Intel® Mobile)	Celeron® J1900 (4 x 2,0 GHz)
on request	Atom™ E3800 series
System memory	max. 1 x 8 GB DDR3L SO-DIMM
Power input	9–36 V <sub>DC</sub> (2-pin terminal block)
Power supply	optional 24 V <sub>DC</sub> external, 100–240 V <sub>AC</sub> , 72/120 W
Power consumption	15 W (typ.)

### SYSTEM

Chipset	Intel® System on chip (SoC)
Expansion slots	1 x Mini PCIe, full size, mSATA support 1 x Mini PCIe, half size 1 x CompactFlash (CFast)
Watchdog Timer	on board
Ethernet	2 x Gigabit Ethernet, Intel® WGI210IT
WLAN / WWAN	upgradeable with Mini PCIe module (full size slot only)
Graphics	Intel® SoC Integrated HD engine, Multi-monitor: 2 independent displays
Audio	Realtek® ALC888S
OS support	Windows 7, Win. 8.1, Win. Embedded Standard 7 (WS7E)

### INTERFACES FRONT SIDE

RS-232	COM3, COM4
USB	1 x USB 2.0
Digital I/O	4 x in / 4 x out
Graphic	1 x DVI-D
SD card slot	1 x external (with cover)
SIM card slot	1 x external (with cover) for possible WWAN / 3G module
Remote control	1 x remote power on/off switch

### INTERFACES REAR SIDE

RS-232/422/485	COM1 (RI / 5 V / 12 V) COM2 (RI / 5 V / 12 V)
USB	2 x USB 2.0 1 x USB 3.0
RJ-45 Ethernet	2 x RJ-45 optional PoE IEEE 802.3af, max. 15,4 W / port
Graphic	1 x DVI-I optional DVI to VGA adapter
Audio	line out / mic

### DRIVES

Harddisk	min. 500 GB, 2,5" SATA
Solid-state drive	optional min. 64 GB, 2,5" SATA (no HDD) optional min. 32 GB, CFast optional min. 32 GB, mSATA

### CONSTRUCTION

Dimensions (W x D x H)	217,5 x 148 x 45 mm
Weight	ca. 1,8 kg
Material	sturdy aluminium
Mounting	incl. wall mount brackets optional DIN Rail TS 35
Cooling	fanless
Controls	power on/off, reset, status LEDs

### QUALITY / TESTS

Burn-in stress test	min. 24 hours
Production	ESD protected
Quality management	according to ISO 9001:2008
Environmental management	according to ISO 14001:2004
Operating temperature	0–45° C (HDD) 0–50° C (SSD / CFast)
Warranty	24 months
Service Packages	Tests, installations, adjustments, long-term availability etc. as desired