

Panel PC

SlimLine IB70 Series

38,1 cm (15") to 48,3 cm (19") Industrial Panel PC (Built-in) Intel® Celeron® N2930 (Bay Trail) Fanless Front Control Panel



- **Type designation: SlimLine WM xx-IB70-BF**
- Multiple keyboard layouts
- Touchpad, trackball or numeric keypad
- 5 mm thick aluminium front (IP65 protected) for "Panelmount" installation with rear threaded bolts
- incl. protective glass (or touch screen)

PERFORMANCE	
CPU (Intel® Mobile)	Celeron® N2930 (4 × 1,83 GHz)
System memory	max. 2 × 4 GB DDR3L SO-DIMM
Power input	12 V _{DC} optional 9–36 V _{DC}
Power supply	incl. external, 100–240 V _{AC}

SYSTEM	
Board system	Mini-ITX, socket FCBGA1170
Chipset	Intel® System on chip
Ethernet	2 × GbE: Intel® WG82574L
Expansion slots	2 × Mini PCIe
Graphics	Intel® SoC Integrated HD engine, VGA mode max. 1920×1200 @ 60 Hz, Multi-monitor: dual display
Audio	Realtek® ALC886 HD, internal speaker

INTERFACES	
RS-232	COM3, COM4
RS-232/422/485	COM1
USB	3 × USB 2.0 1 × USB 3.0
PS/2	2 × Mini-DIN (occupied by keyboard)
Ethernet	2 × RJ-45
Graphic	1 × VGA
Audio	line in / out / mic
Internal I/O (pin header onboard only)	RS-232 (COM2), 4 × USB 2.0, 12 GPIO pins, LPT

DRIVES	
Harddisk	min. 500 GB, 2,5" SATA
Solid-state drive	optional min. 64 GB, 2,5" SATA

LCDs	
15 =	38,1 cm (15") 4:3 1024 × 768 (250 cd/m ² , 700:1)
17 =	43,2 cm (17") 4:3 1280 × 1024 (350 cd/m ² , 1000:1)
19 =	48,3 cm (19") 4:3 1280 × 1024 (250 cd/m ² , 1000:1)
Backlight	LED
Touchscreen	optional resistive

KEYBOARD	
Keyboard layout	88 keys, DE / US / FR / IT etc.
Keyswitch technology	short travel keys, tactile feedback and key embossing, chemical resistant, abrasion and scratch resistant
Touchpad	capacitive, 2 mouse keys
Trackball	optional 38 mm trackball, 2 mouse keys
Numeric keypad	optional 104-key layout

CONSTRUCTION	
Material	front panel aluminium, powder-coated RAL 7035 Panel PC sturdy steel sheet (galvanized)
Mounting	Panelmount front (IP65)
Cooling	fanless
Controls	Power on/off, reset, brightness adjust

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
Warranty	24 months
Service Packages	Tests, installations, adjustments, long-term availability etc. as desired