endrich
components of life

novitronic
powered by endrich

iSi 50®
designed by endrich

iSi 50® – THE INTELLIGENT STANDARD INTERFACE

Multi-Inno Technology Co., Ltd

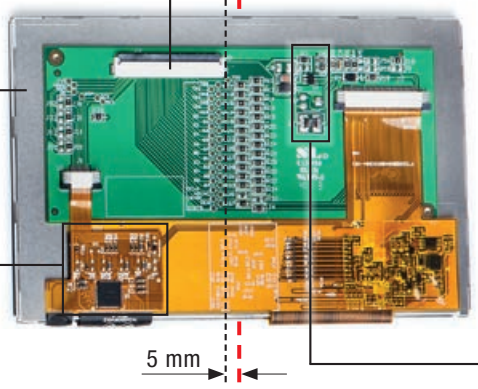
endrich components of life

iSi50® – **NEW** STANDARD INTERFACE FOR DISPLAYS

iSi 50®
designed by endrich

ONE CONNECTOR – ONE INTERFACE – ONE VOLTAGE

- 50-pole standard interface of iSi50®
- Extremely simple assembly by circumferentially free edge
- Each display-size is available with a projective-capacitive touch panel



- The connector is always placed horizontally to center of the display regardless to the display-size
- No need for re-design of board layout within the iSi50-display-sizes
- Integrated LED backlight-driver

iSi50® – TWO DISPLAY LINES, ONE CONCEPT

Industrial displays for indoor-application	**Sunlightreadable high-end displays**
Brightness up to max. 500 cd/m²	Brightness up to max. 1,000 cd/m²
Available display-sizes: 3.5"/4.3"/5.0"/5.7"/7.0"	
Each size in three variants available: without touch / resistive touch panel / projective-capactive touch panel (PCAP)	
All signals are provided by a 50-pole connector	
Display interface TTL RGB (24 bit)	
LED-backlight driver (driving via PWM)	
Only one voltage of 3.3 V necessary	
All displays of both TFT-lines are compatible with each other	

Reserve technical changes!

Multi-Inno Technology Co., Ltd

endrich components of life

iSi50® – **NEW** STANDARD INTERFACE FOR DISPLAYS

iSi 50® designed by endrich

SIZE	iSi50® PART NUMBER	DISPLAY RESOLUTION	BRIGHTNESS [cd/m²]	MIN. BACKLIGHT LIFETIME [h]	INTERFACE TTL RGB	OPERATING TEMPERATURE [°C]	CAPACITIVE TOUCH PANEL (PCAP)	RESISTIVE TOUCH PANEL
iSi50® - DISPLAYS								
3.5"	MI0350AGT-52	320 x 240	800	30 k	•	-20 … +70		
3.5"	MI0350AGT-50	320 x 240	700	30 k	•	-20 … +70	•	
3.5"	MI0350AGT-51	320 x 240	640	30 k	•	-20 … +70		•
4.3"	MI0430J3T-52	480 x 272	350	30 k	•	-20 … +70		
4.3"	MI0430J3T-50	480 x 272	300	30 k	•	-20 … +70	•	
4.3"	MI0430J3T-53RP	480 x 272	300	30 k	•	-20 … +70		•
4.3"	MI0430PT-53	480 x 272	1.000	30 k	•	-20 … +70		
4.3"	MI0430PT-50	480 x 272	850	30 k	•	-20 … +70	•	
4.3"	MI0430PT-53RP	480 x 272	800	30 k	•	-20 … +70		•
5.0"	MI0500PT-52	800 x 480	600	30 k	•	-20 … +70		
5.0"	MI0500PT-50	800 x 480	500	30 k	•	-20 … +70	•	
5.0"	MI0500PT-51	800 x 480	480	30 k	•	-20 … +70		•
5.7"	MI0570ET-53	640 x 480	700	30 k	•	-20 … +70		
5.7"	MI0570ET-51CP	640 x 480	600	30 k	•	-20 … +70	•	
5.7"	MI0570ET-53RP	640 x 480	560	30 k	•	-20 … +70		•
5.7"	MI0570ET-54	640 x 480	1.000	30 k	•	-20 … +70		
5.7"	MI0570ET-52CP	640 x 480	900	30 k	•	-20 … +70	•	
5.7"	MI0570ET-55	640 x 480	800	30 k	•	-20 … +70		•
7.0"	MI0700S4T-52	800 x 480	400	30 k	•	-20 … +70		
7.0"	MI0700S4T-50CP	800 x 480	340	30 k	•	-20 … +70	•	
7.0"	MI0700S4T-51	800 x 480	320	30 k	•	-20 … +70		•
7.0"	MI0700AJT-53	800 x 480	500	40 k	•	-20 … +70		
7.0"	MI0700AJT-51CP2	800 x 480	430	40 k	•	-20 … +70	•	
7.0"	MI0700AJT-52	800 x 480	400	40 k	•	-20 … +70		•
7.0"	MI0700AJT-55	800 x 480	1.000	40 k	•	-20 … +70		
7.0"	MI0700AJT-54CP	800 x 480	850	40 k	•	-20 … +70	•	
7.0"	MI0700AJT-55RP	800 x 480	800	40 k	•	-20 … +70		•

OFFICES IN EUROPE

Germany
Nagold (Headquarters)

Austria

France

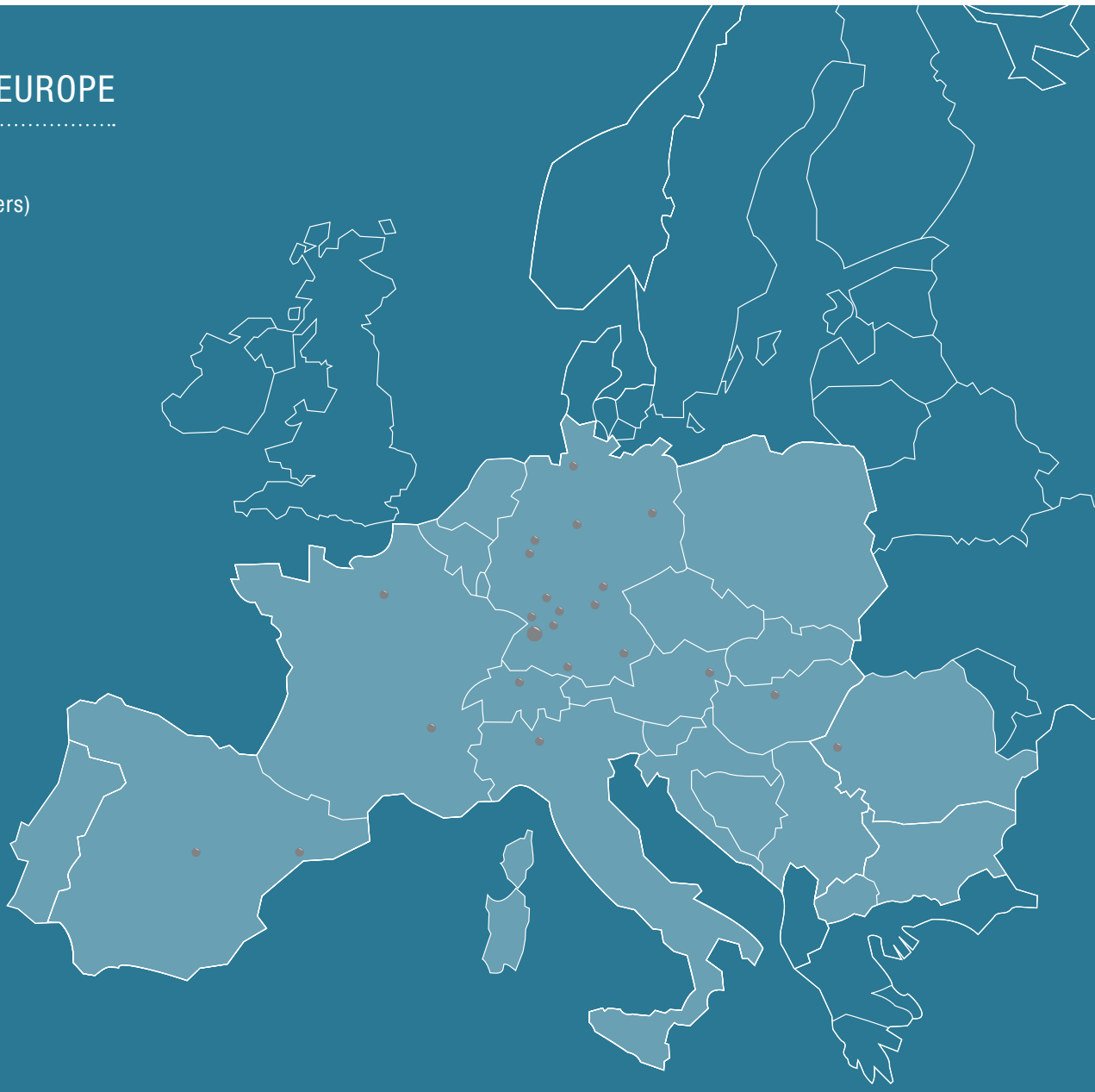
Spain

Italy

Hungary

Romania

Switzerland
novitronic
powered by endrich



ENDRICH Bauelemente Vertriebs GmbH · P.O.Box 1251 · 72192 Nagold (Germany)
Tel.: +49 (0) 7452 6007-0 · Fax: +49 (0) 7452 6007-70 · endrich@endrich.com · www.endrich.com

NOVITRONIC AG · Thurgauerstrasse 74 · CH-8050 Zürich (Switzerland)
Tel.: +41 (0)44 306 91 91 · Fax +41 (0)44 306 91 81 · info@novitronic.ch · www.novitronic.ch

NOVITRONIC GMBH · Hauptstraße 56 · 72202 Nagold (Germany)
Tel.: +49 (0)7452 88780 20 · Fax +49 (0)7452 88780 99 · info@novitronic.de · www.novitronic.de

www.endrich.com

11/2017