



QTERM A7

7" Rugged touch HMI

The QTERM-A7 human machine interface features universal connectivity, bright 7" (177 mm) widescreen display, for rugged, hazardous, extreme temperature environments.

800 x 480 pixel WVGA, 7" (177 mm) diagonal, LED lighted, TFT color LCD display with touch screen

Panel-mount

-30 to 70 °C operating temperature

Touch screen

NEMA-4 sealing, IP66, UL 50 Type 4X (outdoor)

10 to 32 VDC

iX, Qlarity and native Windows CE design environment

 [Important life cycle dates, read more ->](#)

Facts

General description

| | |
|-------------------|--------------|
| Part number | 317991 |
| Life cycle status | Discontinued |
| Warranty | 2 year |

Certifications

| | |
|-----------|-----------------------------------|
| General | FCC, CE |
| Hazardous | UL C1D2 |
| Safety | UL508, CAN/CSA C22.2 No.142-M1987 |

Mechanical

| | |
|------------------|-------------------|
| Mechanical size | 223 x 153 x 66 mm |
| Touch type | Resistive |
| Cut-out size | 199 x 145 mm |
| Weight | 1.0 kg |
| Housing material | Polymer |

Power

| | |
|-------------------------|-----------------------------------------------------|
| Input voltage | 10 to 32 VDC |
| Power consumption (max) | 7 Watts @ 24 VDC (typical), 11 Watts @ 24 VDC (max) |

System

| | |
|-------|----------------------------|
| CPU | XScale PXA 300 ARM 624 MHz |
| RAM | 128 MB |
| FLASH | 4 GB |

Software

| | |
|------------------|------------|
| Operating system | Windows CE |
|------------------|------------|

Display

| | |
|----------------------|----------------------------|
| Size diagonal | 7" (177 mm) |
| Resolution | 800 x 480 |
| Backlight | LED lighted, TFT color LCD |
| Backlight life time | 50000 hours |
| Backlight brightness | 500 cd/m2 |
| Backlight dimming | Software-controllable |

Serial communication

| | |
|------------------------|------------------|
| Number of serial ports | 2 Port 9pin DSUB |
|------------------------|------------------|

Ethernet communication

| | |
|--------------------------|---------------------------------|
| Number of Ethernet ports | 1 |
| Ethernet port 1 | 1x10/100 Base-T (shielded RJ45) |

Communication CAN

| | |
|---------------------|---|
| Number of CAN ports | 2 |
|---------------------|---|

Environmental

| | |
|-----------------------|---------------------------------------|
| Operating temperature | -30 to 70 °C |
| Storage temperature | -40 to 85 °C |
| Shock | 40 g, 11 ms, common orthogonal axes |
| Vibration | 10 to 1500 Hz, 4g RMS |
| Sealing front | NEMA-4, IP66, UL 50 Type 4x (outdoor) |
| Humidity | 5 to 95%, non-condensing |

People & Technology. Connected.

We are a people company. Our experienced, skilled and passionate people empower you to meet your challenges through best-in-class, user-friendly solutions. We are a technology company. We help you optimize processes through our software, hardware and services, and through our support. Connecting people and technologies gives you the means to accomplish your goals and ambitions, and gain a competitive edge in today's digitalized world.

Visiting address HQ: Stora Varvsgatan 13a

SE - 211 75 Malmoe, SWEDEN

[+46 40 35 86 00 \(tel:+46 40 35 86 00\)](tel:+4640358600)

[info@beijerelectronics.com \(mailto:info@beijerelectronics.com\)](mailto:info@beijerelectronics.com)