

PT32L031 Series

SELECTION GUIDE



| Part Number | Memory | | Core | CPU Frequency | Operating Voltage | GPIO | Timer & Counter | | | | Communication Interface | | | Clock | | | | Analog | | | | Security | Display | Operating Temperature | Package Information | | | |
|--------------|-----------|---------|------|---------------|-------------------|------|-----------------|------|-----------|-----|-------------------------|-----|-----|-----------|-----------|-----------|------------|------------|---------------------|---------------------|-----|----------|---------|-----------------------|---------------------|---------------|-----------|---------|
| | Flash (K) | RAM (K) | | MHz | VDD (V) | I/O | Adv | Base | Low Power | WDG | UART | I2C | SPI | HSE (MHz) | HSI (MHz) | LSI (KHz) | PLL (mult) | ADC 12-bit | COMP | OPA | PVD | Beep | CRC | LED | °C | Package Types | Pin Pitch | Packing |
| PT32L031F6P6 | 32 | 4 | M0 | 48 | 1.8-3.6 | 16 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 4-25 | 24 | 32 | 2 | 10ext+1int | 2 channel, optional | 2 channel, optional | ✓ | ✓ | ✓ | 4*8 | -40~85 | TSSOP20 | 0.65mm | Tube |
| PT32L031S6U6 | 32 | 4 | M0 | 48 | 1.8-3.6 | 20 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 4-25 | 24 | 32 | 2 | 10ext+1int | 2 channel, optional | 2 channel, optional | ✓ | ✓ | ✓ | 3*8 | -40-85 | QFN24(4*4) | 0.5mm | Tray |
| PT32L031G6P6 | 32 | 4 | M0 | 48 | 1.8-3.6 | 24 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 4-25 | 24 | 32 | 2 | 12ext+1int | 2 channel, optional | 2 channel, optional | ✓ | ✓ | ✓ | 4*8 | -40~85 | TSSOP28 | 0.65mm | Tube |
| PT32L031K6T6 | 32 | 4 | M0 | 48 | 1.8-3.6 | 26 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 4-25 | 24 | 32 | 2 | 12ext+1int | 2 channel, optional | 2 channel, optional | ✓ | ✓ | ✓ | 4*8 | -40-85 | LQFP32(7*7) | 0.8mm | Tray |
| PT32L031K6X6 | 32 | 4 | M0 | 48 | 1.8-3.6 | 26 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 4-25 | 24 | 32 | 2 | 12ext+1int | 2 channel, optional | 2 channel, optional | ✓ | ✓ | ✓ | 4*8 | -40~85 | QFN32(4*4) | 0.4mm | Tray |
| PT32L031K6U6 | 32 | 4 | M0 | 48 | 1.8-3.6 | 26 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 4-25 | 24 | 32 | 2 | 12ext+1int | 2 channel, optional | 2 channel, optional | ✓ | ✓ | ✓ | 4*8 | -40-85 | QFN32(5*5) | 0.5mm | Tray |